

NVIDIA CORP  
Form 10-K  
March 12, 2013  
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UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

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FORM 10-K

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended January 27, 2013

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

Commission file number: 0-23985

NVIDIA CORPORATION

(Exact name of registrant as specified in its charter)

Delaware

94-3177549

(State or other jurisdiction of  
Incorporation or Organization)

(I.R.S. Employer  
Identification No.)

2701 San Tomas Expressway  
Santa Clara, California 95050  
(408) 486-2000

(Address, including zip code, and telephone number, including area code, of principal executive offices)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class

Name of each exchange on which registered

Common Stock, \$0.001 par value per share

The NASDAQ Global Select Market

Securities registered pursuant to Section 12(g) of the Act:

None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act.

Yes  No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act.

Yes  No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.

Yes  No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files).

Yes  No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K (§ 229.405 of this chapter) is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

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Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See definitions of “large accelerated filer,” “accelerated filer” and “smaller reporting company” in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer

Accelerated filer

Non-accelerated filer  (Do not check if a smaller reporting company)

Smaller reporting company

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act).

Yes  No

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The aggregate market value of the voting stock held by non-affiliates of the registrant as of July 29, 2012 was approximately \$7.98 billion (based on the closing sales price of the registrant's common stock as reported by the NASDAQ Global Select Market on July 27, 2012). This calculation excludes approximately 27,504,545 shares held by directors and executive officers of the registrant. This calculation does not exclude shares held by such organizations whose ownership exceeds 5% of the registrant's outstanding common stock that have represented to the registrant that they are registered investment advisers or investment companies registered under section 8 of the Investment Company Act of 1940.

The number of shares of common stock outstanding as of March 8, 2013 was 615,980,172.

DOCUMENTS INCORPORATED BY REFERENCE

Portions of the registrant's Proxy Statement for its 2013 Annual Meeting of Stockholders to be filed with the Securities and Exchange Commission by pursuant to Regulation 14A not later than 120 days after the end of the fiscal year covered by this Annual Report on Form 10-K are incorporated by reference into Part III, Items 10-14 of this Annual Report on Form 10-K.

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Forward-Looking Statements

This Annual Report on Form 10-K contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, which are subject to the “safe harbor” created by those sections. Forward-looking statements are based on our management's beliefs and assumptions and on information currently available to our management. In some cases, you can identify forward-looking statements by terms such as “may,” “will,” “should,” “could,” “goal,” “would,” “expect,” “plan,” “anticipate,” “estimate,” “project,” “predict,” “potential” and similar expressions intended to identify forward-looking statements. These statements involve known and unknown risks, uncertainties and other factors, which may cause our actual results, performance, time frames or achievements to be materially different from any future results, performance, time frames or achievements expressed or implied by the forward-looking statements. We discuss many of these risks, uncertainties and other factors in this Annual Report on Form 10-K in greater detail under the heading “Risk Factors.” Given these risks, uncertainties and other factors, you should not place undue reliance on these forward-looking statements. Also, these forward-looking statements represent our estimates and assumptions only as of the date of this filing. You should read this Annual Report on Form 10-K completely and with the understanding that our actual future results may be materially different from what we expect. We hereby qualify our forward-looking statements by these cautionary statements. Except as required by law, we assume no obligation to update these forward-looking statements publicly, or to update the reasons actual results could differ materially from those anticipated in these forward-looking statements, even if new information becomes available in the future.

All references to “NVIDIA,” “we,” “us,” “our” or the “Company” mean NVIDIA Corporation and its subsidiaries, except when it is made clear that the term means only the parent company.

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PART I

ITEM 1. BUSINESS

Our Company

NVIDIA is a visual computing company, connecting people through the powerful medium of computer graphics. In a world increasingly filled with visual displays, our graphics technologies let our customers interact with the world of digital ideas, information and entertainment with an efficiency that no other communication medium can provide.

Visualization transcends cultural and language boundaries and enhances the quality of life whether the setting is work or pleasure and the task is mission critical or for entertainment.

We have long been known to millions around the world for creating the graphics chips used in PCs that bring video games to life. With our invention of the GPU, we introduced the world to the power of programmable shading, which defines modern computer graphics. Today, we reach well beyond PC graphics and games. Our energy-efficient processors are at the heart of products ranging from mobile devices to supercomputers. PC gamers choose our GPUs by name to enjoy immersive fantasy worlds. Our Tegra processors power smartphones, tablets and automobile infotainment systems. Professional designers use our GPUs to create visual effects in movies and design everything from audio headsets to commercial aircraft. And supercomputers take advantage of the massively parallel processing capabilities of our GPUs to accelerate a wide range of important applications, from simulations of viruses at the molecular level, to modern weather forecasting and global oil exploration.

NVIDIA's research and development in visual computing has yielded more than 5,000 patents granted or pending worldwide, and including ones covering inventions essential to modern computing.

Our businesses are based on two important technologies: the GPU and the Tegra processor. GPUs, each with billions of transistors, are the engine of visual computing and among the world's most complex processors. We have GPU product brands designed for specific users and applications: GeForce for gamers; Quadro for designers; Tesla for researchers; and GRID VGX for cloud-based server graphics modules. We recently announced the NVIDIA GRID visual computing appliance, a fully integrated system with GRID VGX graphics modules that run NVIDIA's proprietary system software. GRID is a first-of-its-kind device, designed to serve graphics-intensive applications from the cloud simultaneously to a large number of concurrent users.

The Tegra processor is a system-on-a-chip, or SOC, integrating an entire computer on a single chip. Tegra processors incorporate multi-core GPUs and CPUs together with audio, video and input/output capabilities. They can also be integrated with baseband processors for phone and data communication. Unlike power-inefficient processors built for PCs, our Tegra SOC conserves power while delivering state-of-the-art graphics and multimedia processing. Tegra runs devices like smartphones, tablets and PCs; it can also be embedded into smart devices, such as televisions, monitors, set-top boxes, gaming devices and cars. We recently announced Project SHIELD, the first Android device designed for gaming. Project SHIELD features our Tegra 4 processor, contains proprietary NVIDIA-developed software and system technologies and leverages our deep partnerships with game developers all over the world. Headquartered in Santa Clara, California, we were incorporated in California in April 1993 and reincorporated in Delaware in April 1998.

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Our Businesses

Our two primary reporting segments are based on the GPU and the Tegra processor. We sell our processors to OEMs that build PCs, workstations, servers, smartphones and tablets. We target four market segments - Gaming, Enterprise, Mobile and Cloud - where our deep expertise in visual computing allows us to create solutions and experiences for users.

Businesses            Product Lines

GPU

GeForce for consumer desktop and notebook PCs. GeForce GPUs enhance the gaming experience on PCs by improving the visual quality of graphics through complex visual fidelity effects, higher frame rate for smoother gameplay and replicating the realistic behavior of light and physical objects

Quadro for professional workstations

Tesla for supercomputing servers and workstations

GRID Graphics Modules for industry-standard servers to accelerate virtual desktop infrastructure (VDI) from companies like Citrix and VMware; also for server workstations

GRID Systems for applications ranging from streaming games to hosting graphics-intensive design applications such as Adobe, Autodesk and SolidWorks. GRID visual computing appliances -- a new class of computing systems designed to remotely serve graphics-intensive applications from corporate networks or the cloud -- incorporate many GPU modules and run proprietary software so they can serve many users simultaneously. Interactivity, high performance and the ability to serve many concurrent users are GRID's distinguishing characteristics

Tegra Processors

Tegra processors are architected to deliver a superior visual and multimedia experience on tablets, smartphones and gaming devices while consuming minimal power. The latest generation is Tegra 4, the world's fastest mobile processor on leading benchmarks, and the first quad-core A15 processor, with 72 graphics cores (compared with Tegra 3's 12 cores). Tegra 4 was unveiled at the Consumer Electronics Show (CES) 2013 and we expect to begin shipping in the second quarter of fiscal year 2014



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• Icera baseband processors and radio frequency (RF) transceivers for mobile connectivity

• Integrated chip solutions that combine the Tegra applications processor and the Icera baseband processor

• Project SHIELD, an Android gaming device featuring our Tegra 4 processor, optimized to help users enjoy digital content in the cloud. There are Android phones, Android book readers and Android notepads with pens. Project SHIELD is for gaming and designed to let gamers play the way they want - untethered, open and connected to the cloud

• Tegra VCM, Tegra-based vehicle computing modules that integrate an entire automotive computer into a single component. These drive the computing needs of modern connected cars, enabling sophisticated navigation and infotainment systems, as well as next-generation safety and driver-assistance systems

• Embedded computing platforms for a variety of digital consumer devices, such as TVs and smart monitors

## Our Markets

For markets where visual computing is particularly important, we dedicate ourselves to creating differentiated experiences that delight users. Visual computing is pervasive and customers include gamers, enterprises, and tablet and mobile phone users. We consistently build the industry's best processors and system software for the segments on which we focus. We work hard to connect all the dots between our hardware and software offerings, as well as partner applications, to provide customers with complete solutions.

### Gaming

Consumers today can watch movies, read books or listen to music on many kinds of devices. Their content is either stored and enjoyed on their devices, or stored in the cloud and streamed to their devices, whether PC, Mac, phone, connected TV or tablet. When consumers put down one device and pick up another, they expect to pick up where they left off in a consistent, seamless experience. Our goal is to deliver this same end-to-end experience for gaming, which is the largest market in consumer entertainment.

We focus on open platforms - PCs, mobile devices and, recently, the cloud. We build processors to deliver the best graphics for a great gaming experience, sophisticated 3D software and algorithms that are incorporated into games, and a new visual computing appliance that allows games to be played remotely from the cloud. By developing on our platforms, developers can achieve the broadest reach - on PC, Mac, phone, connected TV or tablet - which provides gamers with enjoyment and flexibility.

Our products for the gaming market include: GeForce GTX GPUs for PC gaming; Tegra processors for mobile devices; the GRID visual computing appliance, which streams games from the cloud to connected devices; and Project SHIELD, which we announced at CES 2013 and expect to ship in the second quarter of fiscal year 2014. These products can be enjoyed independently or in conjunction with each other to connect the gaming experience across platforms. For example, gamers can use Project SHIELD to play Android games or stream games from a PC with a GeForce processor; or, they can stream games from a GRID gaming server to their PC or TV.

### Enterprise

Our enterprise strategy is to serve as our customers' most trusted graphics partner, working closely with independent software vendors to optimize their offerings for NVIDIA GPUs, and delivering end-to-end visual computing solutions for targeted visual-computing-intensive applications. Our visual computing solutions enhance productivity for critical parts of the workflow of major industries, ranging from automotive, to film and television broadcast, to oil and gas.

Visual computing is vital to productivity in many large and important industries:

• Design and Manufacturing - including architectural design, consumer-products manufacturing, medical instrumentation, and science & aerospace

• Media and Entertainment - including special effects for movies and television, advertising, and virtual sets for broadcast

• High Performance Computing - aerospace simulation, molecular dynamics and bio-science simulations of viruses, oil & gas exploration

• Virtual Desktop Infrastructure (VDI) - professional applications for design, enterprise applications for power and productivity users in the workplace, working on such devices as tablets and notebook PCs



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NVIDIA products for the enterprise market include Quadro GPUs for workstations, Tesla GPUs for high performance computing servers, and GRID server graphics for enterprise VDI applications.

NVIDIA Quadro GPUs enhance the productivity of designers by improving performance and adding critical functionality, such as photorealistic rendering for computer-aided design workstations. They are used in professional video editing to generate special effects in movies and to create virtual sets for broadcast. The recognized standard for professional graphics, Quadro products are the reference platform for virtually all major design and content-creation software developed for professional workstations.

Tesla applies the parallel-processing capability of GPUs to general-purpose computing problems, greatly increasing performance and power efficiency over CPU-only solutions. Tesla-based servers and supercomputers increase the speed of applications used in bio-science research, mechanical and fluid simulations, energy exploration and computational finance.

GRID, a first-of-its-kind technology introduced this year, makes it possible to run graphics-intensive applications remotely on a server in the datacenter, instead of locally on a PC or workstation. It enables pixels to be processed, compressed and streamed so quickly that it appears that work is being done by a powerful computer adjacent to the viewing screen. As the processing-intensive application resides in the server and only the final image is streamed, complex applications can now be accessed from virtually any computing device. Designers, sales and marketing professionals can click on an icon and run a professional application from a PC, Mac, iPad or Android tablet. NVIDIA offers GRID graphics modules and software that OEMs can include in their standard servers.

### Mobile

Mobile computing devices in various form factors are expected to continue to drive the user experience. According to Strategy Analytics, more than 800 million smartphones and 180 million tablets are expected to ship in 2013, approaching the number of laptop PCs sold.

The foundation of our mobile computing strategy is the Tegra processor, which harnesses our expertise in computer chip, software and system design, while leveraging our world-leading expertise in visual computing. In just a few short years, we have established a presence in the industry and have achieved many industry firsts:

• Tegra 2 - the first dual-core mobile processor

• Tegra 3 - the first quad-core mobile processor

• Tegra 4 - the first mobile processor with computational photography capabilities, making possible for the first time single-shot high dynamic range (HDR) photos, HDR panoramic shots and continuous object tracking and focus

• Tegra - the first software-defined radio modem to achieve LTE

• Tegra was also the first processor used in a Google Honeycomb Android tablet and in a Microsoft Windows RT PC

Our strategy is to innovate faster than the competition, introducing new features and capabilities to differentiate the user experience. In doing so, we leverage our PC proficiency and harness industry trends that we believe favor NVIDIA's core graphics expertise.

The mobile market is more than smartphones to us. The combination of Tegra and our significant computing software assets enables us to address the many new markets for connected smart devices. For example, 60 million cars are sold each year, and all, we believe, will eventually include multiple Tegra-like computers that augment our driving experience. They will ensure our safety and the safety of those around us, search and navigate to destinations through heads-up displays, and enhance our comfort and enjoyment. Cars will be connected to our mobile devices. They may someday drive themselves out of parking garages to meet their owners, with the seat and temperature already set to their liking.

Increasingly, devices will be smarter and connected. There will be smart TVs that respond to voice and gesture commands, smart monitors powered by Android making a PC optional, watches and jewelry that recognize voice commands and make calls. Our mobile strategy is to put Tegra into every device where visual computing is valued.

### Cloud

The computer industry has gone through several major industry shifts - from client-servers, to PCs, to mobile devices connected to the Internet. But none appear to be as sweeping as cloud computing, in which computing devices are connected to the cloud and applications are served as a service.

By extending visual computing into the cloud, NVIDIA is expanding the application of the GPU beyond the PC into the server and datacenter. Virtualizing the GPU enables it to be shared by many concurrent users. And we have created technologies that allow the rendered image to be quickly compressed and streamed to a distant computer.

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NVIDIA's GRID visual computing appliance is a first of its kind, designed to let users interact remotely with graphics-intensive applications for entertainment and business. By making graphics applications available on a network or in the cloud, we aim to expand the GPU's addressable market to virtually any connected display. GRID is designed to stream a graphics application the way Netflix streams a movie. It will enable Adobe Photoshop to be run remotely and interacted with as if the application were on the PC. GRID is a computing appliance for many users to share graphics processing, much the same way that a router is a computing appliance designed for networking. Initial target markets of the NVIDIA GRID appliance are cloud gaming and software-as-a-service (SaaS) hosting of graphics-intensive applications. For cloud gaming, we are partnering with cloud gaming middleware providers around the world, who in turn work with large service and media providers. For hosting graphics-intensive design applications, including Autodesk, Adobe and SolidWorks, we are partnering with value-added resellers specialized in serving the computing needs of designers and artists.

### Our Strategies

**Extend Technology Leadership in Visual Computing.** We believe that visual computing is fundamental to the continued expansion of computing and essential to new computing experiences that define the future of computing. We apply world-leading expertise in these areas to enhance the user experience for consumer entertainment and professional visualization applications. We focus our significant R&D depth and scale to extend our visual computing leadership.

**Enable and Deliver the World's Best Gaming Experiences.** By focusing on open platforms and end-to-end experiences, we aim to bring the highest fidelity and quality to any gaming device. With a broad portfolio of products and technologies optimized for gamers - GPUs and software, mobile systems-on-a-chip, value-added solutions such as GeForce Experience and TegraZone, differentiated devices like Project SHIELD, and technologies and appliances for high-quality streaming in GRID - NVIDIA is committed to ensuring that gaming on our platforms is delightful and exciting.

**Revolutionize Computing with the Parallel Processing Capability of the GPU.** NVIDIA CUDA is a general purpose parallel computing architecture that leverages the thousands of massively parallel processors inside an NVIDIA GPU to solve many complex computational problems in a fraction of the time required by a CPU. We work with developers worldwide who write application programs for the CUDA architecture using various high-level programming languages. Developers are able to accelerate algorithms in areas ranging from molecular dynamics to image processing, X-ray image reconstruction and derivatives modeling for financial risk analysis. We believe the work we are doing around GPU computing is an important step to the future of how computing will be done.

**Extend our Visual Computing Leadership into Mobile and Cloud Computing Platforms.** Mobile, cloud and SaaS are driving changes in the computer industry. Although a great challenge to make possible due to the significant computational intensity of graphics, we believe visual computing will be a key component in this new computing paradigm. As with books and music, we want to enable interactive graphics applications like games, movie and photo editors, and design software to be accessed from any computer and from anywhere.

**Leverage our Processors and Visual Computing Expertise to Create Differentiated Devices.** We recently announced Project SHIELD, an NVIDIA developed and branded Android device designed for gaming and featuring our latest processor Tegra 4. We believe Project SHIELD will attract modern gamers who want to play on open platforms and untethered to the living room. We believe Project SHIELD will also enhance the strategic position of Tegra. We believe Project SHIELD will attract more games to TegraZone, which will in turn make every Tegra-powered device more enjoyable. Just as Project SHIELD is a device built around Tegra, we leveraged our GPU to create a first-of-its-kind visual computing appliance called GRID. Leveraging our GPU and visual computing expertise, the NVIDIA GRID is a visual computing appliance designed to serve graphics-intensive applications to many users simultaneously.

**Use Our Intellectual Property and Resources to Enter into License and Development Contracts.** We believe our technology leadership in graphics and mobile computing offers the opportunity to license our technology to strategic customers that desire to build such capabilities directly into their own products. We expect to enter into license and development arrangements, some of which may involve significant customization of our intellectual property components and further enhance the reach of our graphics and mobile technology.



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### Sales and Marketing

Our worldwide sales and marketing strategy is key to our objective to become the leading supplier of high-performance and efficient GPUs and mobile system-on-chip products. Our sales and marketing teams work closely with each industry's respective OEMs, original design manufacturers, or ODMs, system builders, motherboard manufacturers, add-in board manufacturers, or AIBs, and industry trendsetters, collectively referred to as our Channel, to define product features, performance, price and timing of new products. Members of our sales team have a high level of technical expertise and product and industry knowledge to support the competitive and complex design win process. We also employ a highly skilled team of application engineers to assist our Channel in designing, testing and qualifying system designs that incorporate our products. We believe that the depth and quality of our design support are keys to improving our Channel's time-to-market, maintaining a high level of customer satisfaction within our Channel and fostering relationships that encourage customers to use the next generation of our products.

In the markets we serve that purchase our GPUs, the sales process involves achieving key design wins with leading OEMs and major system builders and supporting the product design into high volume production with key ODMs, motherboard manufacturers and AIBs. These design wins in turn influence the retail and system builder channel that is serviced by AIB and motherboard manufacturers. Our distribution strategy is to work with a number of leading independent contract equipment manufacturers, or CEMs, ODMs, motherboard manufacturers, AIBs and distributors, each of which have relationships with a broad range of major OEMs and/or strong brand name recognition in the retail channel. Currently, we sell a significant portion of our processors directly to distributors, CEMs, ODMs, motherboard manufacturers and AIBs, which then sell boards and systems with our products to leading OEMs, retail outlets and a large number of system builders. In the Tegra Processor segment that we serve, the sales process primarily involves achieving key design wins directly with the leading mobile OEMs and supporting the product design into high-volume production.

As a result of our Channel strategy, a small number of our customers represent the majority of our revenue. However, their end customers consist of a large number of OEMs and system builders throughout the world. Sales to our largest customer accounted for 13% of our total revenue for fiscal year 2013.

To encourage software title developers and publishers to develop games optimized for platforms utilizing our products, we seek to establish and maintain strong relationships in the software development community. Engineering and marketing personnel interact with and visit key software developers to promote and discuss our products, as well as to ascertain product requirements and solve technical problems. Our developer program makes certain that our products are available to developers prior to volume availability in order to encourage the development of software titles that are optimized for our products.

### Backlog

Our sales are primarily made pursuant to standard purchase orders. The quantity of products purchased by our customers as well as our shipment schedules are subject to revisions that reflect changes in both the customers' requirements and in manufacturing availability. The semiconductor industry is characterized by short lead time orders and quick delivery schedules. In light of industry practice and experience, we believe that only a small portion of our backlog is non-cancelable and that the dollar amount associated with the non-cancelable portion is not significant.

### Seasonality

Our industry is largely focused on the consumer products market. Historically, we have seen stronger revenue in the second half of our fiscal year than in the first half of our fiscal year, primarily due to back-to-school and holiday demand. However, there can be no assurance that this trend will continue.

## Manufacturing

We do not directly manufacture semiconductor wafers used for our products. Instead, we utilize what is known as a fabless manufacturing strategy for all of our product-line operating segments whereby we employ world-class suppliers for all phases of the manufacturing process, including wafer fabrication, assembly, testing and packaging. This strategy uses the expertise of industry-leading suppliers that are certified by the International Organization for Standardization in such areas as fabrication, assembly, quality control and assurance, reliability and testing. In addition, this strategy allows us to avoid many of the significant costs and risks associated with owning and operating manufacturing operations. Our suppliers are also responsible for procurement of most of the raw materials used in the production of our products. As a result, we can focus our resources on product design, additional quality assurance, marketing and customer support.



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We utilize industry-leading suppliers, such as Taiwan Semiconductor Manufacturing Company Limited, to produce our semiconductor wafers. We then utilize independent subcontractors, such as Advanced Semiconductor Engineering, Inc., JSI Logistics Ltd., King Yuan Electronics Co., Ltd., Siliconware Precision Industries Company Ltd. and STATS ChipPAC Incorporated to perform assembly, testing and packaging of most of our products. We purchase substrates from Nanya Technology Corporation, IbidenCo., Ltd. and Unimicron Technology Corporation. We typically receive semiconductor products from our subcontractors, perform incoming quality assurance and then ship the semiconductors to CEMs, distributors, motherboard and AIB customers from our third-party warehouse in Hong Kong. Generally, these manufacturers assemble and test the boards based on our design kit and test specifications, and then ship our products to retailers, system builders or OEMs as motherboard and add-in board solutions.

### Inventory and Working Capital

We focus considerable attention on managing our inventories and other working-capital-related items. We manage inventories by communicating with our customers and then using our industry experience to forecast demand on a product-by-product basis. We then place manufacturing orders for our products that are based on forecasted demand. The quantity of products actually purchased by our customers as well as shipment schedules are subject to revisions that reflect changes in both the customers' requirements and in manufacturing availability. We generally maintain substantial inventories of our products because the semiconductor industry is characterized by short lead time orders and quick delivery schedules.

Our existing cash and marketable securities balances increased by 19.1% at the end of fiscal year 2013 compared with the end of fiscal year 2012. We believe that these balances and our anticipated cash flows from operations will be sufficient to meet our operating, acquisition and capital requirements for at least the next twelve months.

### Research and Development

We believe that the continued introduction of new and enhanced products designed to deliver leading visual computing technology including 3D graphics, HD video, audio, ultra-low power consumption and SOC architectures is essential to our future success. Our research and development strategy is to focus on concurrently developing multiple generations of GPUs and Tegra Processors, including GPUs for high-performance computing, and Tegra SOCs for Project SHIELD and other mobile products using independent design teams. Our research and development efforts are performed within specialized groups consisting of software engineering, hardware engineering, very large scale integration design engineering, process engineering, architecture and algorithms. These groups act as a pipeline designed to allow the efficient simultaneous development of multiple generations of products.

A critical component of our product development effort is our partnerships with leaders in the computer-aided design industry. We invest significant resources in the development of relationships with industry leaders, often assisting these companies in the product definition of their new products. We believe that forming these relationships and utilizing next-generation development tools to design, simulate and verify our products will help us remain at the forefront of the 3D graphics market and develop products that utilize leading-edge technology on a rapid basis. We believe this approach assists us in meeting the new design schedules of PC OEMs and other manufacturers.

As of January 27, 2013, we had 5,783 full-time employees engaged in research and development. During fiscal years 2013, 2012 and 2011, we incurred research and development expense of \$1,147.3 million, \$1,002.6 million and \$848.8 million, respectively.

### Competition

The market for our products is intensely competitive and is characterized by rapid technological change, evolving industry standards and declining average selling prices. We believe that the principal competitive factors in this market are performance, breadth of product offerings, access to customers and distribution channels, software support, conformity to industry standard Application Programming Interfaces, manufacturing capabilities, processor pricing and total system costs. We believe that our ability to remain competitive will depend on how well we are able to anticipate the features and functions that customers will demand and whether we are able to deliver consistent volumes of our products at acceptable levels of quality and at competitive prices. We expect competition to increase from both existing competitors and new market entrants with products that may be less costly than ours, or may provide better performance or additional features not provided by our products. In addition, it is possible that new competitors or alliances among competitors could emerge and acquire significant market share.

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A significant source of competition comes from companies that provide or intend to provide GPUs and mobile SOC products. Some of our competitors may have greater marketing, financial, distribution and manufacturing resources than we do and may be more able to adapt to customer or technological changes.

Our current competitors include:

- suppliers of GPUs, including supercomputers and chipsets that incorporate 3D graphics functionality as part of their existing solutions, such as Advanced Micro Devices, or AMD, and Intel;

- suppliers of SOC products that support tablets, smartphones, and PCs as well as products that are embedded into smart devices such as televisions, monitors, set-top boxes, gaming devices and cars, such as AMD, Apple Inc., ARM Holdings plc, Broadcom Corporation, Fujitsu Limited, HiSilicon Technologies Co., Ltd., Imagination Technologies Ltd., Intel, Marvell Technology Group Ltd., Mediatek, NEC Corporation, Qualcomm Incorporated, Renesas Technology Corp., Samsung Electronics Co. Ltd., and ST Microelectronics;

- licensors of graphics technologies, such as ARM Holdings plc, Imagination Technologies Group plc. and Vivante Corporation; and

- suppliers of cellular basebands such as Broadcom Corporation, Freescale Semiconductor Inc., HiSilicon Technologies Co., Ltd., Intel, Marvell Technology Group Ltd., Mediatek, Qualcomm Incorporated, Renesas Technology Corp., Samsung Electronics Co. Ltd., Spreadtrum Communications Co., Ltd, and ST-Ericsson.

If and to the extent we offer products in new markets, we may face competition from existing competitors as well as from companies with which we currently do not compete. We expect substantial competition from both Intel's and AMD's strategy of selling platform solutions, including integrating a CPU and a GPU on the same chip or same package, as evidenced by AMD's APU product and Intel's CPUs with integrated graphics. As AMD and Intel continue to pursue platform solutions and integrated CPUs, we may not be able to successfully compete and our business could be negatively impacted.

## Patents and Proprietary Rights

We rely primarily on a combination of patents, trademarks, trade secrets, employee and third-party nondisclosure agreements and licensing arrangements to protect our intellectual property in the United States and internationally. Our currently issued patents have expiration dates from August 2013 to February 2032. We have numerous patents issued, allowed and pending in the United States and in foreign jurisdictions. Our patents and pending patent applications primarily relate to our products and the technology used in connection with our products. We also rely on international treaties, organizations and foreign laws to protect our intellectual property. The laws of certain foreign countries in which our products are or may be manufactured or sold, including various countries in Asia, may not protect our products or intellectual property rights to the same extent as the laws of the United States. This makes the possibility of piracy of our technology and products more likely. We continuously assess whether and where to seek formal protection for particular innovations and technologies based on such factors as:

- the location in which our products are manufactured;
- our strategic technology or product directions in different countries;
- the degree to which intellectual property laws exist and are meaningfully enforced in different jurisdictions; and
- the commercial significance of our operations and our competitors' operations in particular countries and regions.

Our pending patent applications and any future applications may not be approved. In addition, any issued patents may not provide us with competitive advantages or may be challenged by third parties. The enforcement of patents by

others may harm our ability to conduct our business. Others may independently develop substantially equivalent intellectual property or otherwise gain access to our trade secrets or intellectual property. Our failure to effectively protect our intellectual property could harm our business. We have licensed technology from third parties for incorporation in some of our products and for defensive reasons, and expect to continue to enter into such license agreements. These licenses may result in royalty payments to third parties, the cross licensing of technology by us or payment of other consideration. If these arrangements are not concluded on commercially reasonable terms, our business could suffer.

#### Employees

As of January 27, 2013, we had 7,974 employees, 5,783 of whom were engaged in research and development and 2,191 of whom were engaged in sales, marketing, operations and administrative positions. We believe we have good relationships with our employees.

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## Environmental Regulatory Compliance

To date, we have not incurred significant expenses related to environmental regulatory compliance matters. For additional detail see “Item 1A. Risk Factors - Risks Related to Regulatory, Legal, Our Common Stock and Other Matters - Our failure to comply with any applicable environmental regulations could result in a range of consequences, including fines, suspension of production, excess inventory, sales limitations, and criminal and civil liabilities.”

## Financial Information by Reporting Segment and Geographic Data

The information included in Note 17 of the Notes to the Consolidated Financial Statements in Part IV, Item 15 of this Annual Report on Form 10-K, including financial information by reporting segment and revenue and long-lived assets by geographic region, is hereby incorporated by reference. For additional detail regarding the risks attendant to our foreign operations see “Item 1A. Risk Factors - Risks Related to Our Business, Industry and Partners - We are subject to risks associated with international operations which may harm our business.”

## Executive Officers of the Registrant

The following sets forth certain information regarding our executive officers, their ages and their positions as of February 25, 2013:

Name	Age	Position
Jen-Hsun Huang	50	President, Chief Executive Officer and Director
Karen Burns	45	Vice President and Interim Chief Financial Officer
Ajay K. Puri	58	Executive Vice President, Worldwide Sales
David M. Shannon	57	Executive Vice President, General Counsel and Secretary
Debora Shoquist	58	Executive Vice President, Operations

Jen-Hsun Huang co-founded NVIDIA in April 1993 and has served as its President, Chief Executive Officer and a member of the Board of Directors since its inception. From 1985 to 1993, Mr. Huang was employed at LSI Logic Corporation, a computer chip manufacturer, where he held a variety of positions, most recently as Director of Coreware, the business unit responsible for LSI's “system-on-chip” strategy. From 1983 to 1985, Mr. Huang was a microprocessor designer for Advanced Micro Devices, Inc., a semiconductor company. Mr. Huang holds a B.S.E.E. degree from Oregon State University and an M.S.E.E. degree from Stanford University.

Karen Burns joined NVIDIA in October 2000 and has served as Vice President and Interim Chief Financial Officer of NVIDIA since March 2011. From December 2010 to March 2011, Ms. Burns served as NVIDIA's Vice President, Corporate Controller and Tax and as Vice President - Tax from November 2007. From October 2000 to October 2007, Ms. Burns served as head of the tax department in various capacities, including Senior Director and Director. Previous to NVIDIA, Ms. Burns served nine years in various capacities in tax and audit with KPMG, a global public accounting firm, in their Atlanta, London, and Silicon Valley based practices. Ms. Burns holds both a B.A. and an M.A. in Accounting from Florida State University.

Ajay K. Puri joined NVIDIA in December 2005 as Senior Vice President, Worldwide Sales and became Executive Vice President, Worldwide Sales in January 2009. Prior to NVIDIA, he held positions in sales, marketing, and general management over a 22-year career at Sun Microsystems, Inc. Mr. Puri previously held marketing, management consulting, and product development positions at Hewlett-Packard Company, Booz Allen Hamilton Inc., and Texas Instruments Incorporated. Mr. Puri holds an M.B.A. degree from Harvard University, an M.S.E.E. degree from the California Institute of Technology and a B.S.E.E. degree from the University of Minnesota.

David M. Shannon serves as Executive Vice President, General Counsel and Secretary of NVIDIA. Mr. Shannon joined NVIDIA in August 2002 as Vice President and General Counsel. Mr. Shannon became Secretary of NVIDIA in April 2005, a Senior Vice President in December 2005 and an Executive Vice President in January 2009. In January 2013, Mr. Shannon also became the head of Human Resources and currently leads both the Legal and Human Resources functions. From 1993 to 2002, Mr. Shannon held various counsel positions at Intel, most recently the position of Vice President and Assistant General Counsel. Mr. Shannon also practiced for eight years in the law firm of Gibson Dunn and Crutcher, focusing on complex commercial and high-technology related litigation. Mr. Shannon holds B.A. and J.D. degrees from Pepperdine University.

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Debora Shoquist joined NVIDIA in September 2007 as Senior Vice President of Operations and became Executive Vice President of Operations in January 2009. From 2004 to 2007, Ms. Shoquist served as Senior Vice President of Operations at JDS Uniphase Corporation, a provider of communications test and measurement solutions and optical products for the telecommunications industry. From 2002 to 2004, she served as Senior Vice President and General Manager of the Electro-Optics business at Coherent, Inc., a manufacturer of commercial and scientific laser equipment. Her experience includes her role at Quantum Corporation as the President of the Personal Computer Hard Disk Drive Division. Her experience also includes senior roles at Hewlett-Packard Corporation. She holds a B.S. degree in Electrical Engineering from Kansas State University and a B.S. degree in Biology from Santa Clara University.

### Available Information

Our annual reports on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K and, if applicable, amendments to those reports filed or furnished pursuant to Section 13(a) of the Securities Exchange Act of 1934, as amended, are available free of charge on or through our web site, <http://www.nvidia.com>, as soon as reasonably practicable after we electronically file such material with, or furnish it to, the Securities and Exchange Commission, or the SEC. Our web site and the information on it or connected to it are not a part of this Annual Report on Form 10-K.

### ITEM 1A. RISK FACTORS

In evaluating NVIDIA and our business, the following factors should be considered in addition to the other information in this Annual Report on Form 10-K. Before you buy our common stock, you should know that making such an investment involves some risks including, but not limited to, the risks described below. Additionally, any one of the following risks could seriously harm our business, financial condition and results of operations, which could cause our stock price to decline. Additional risks and uncertainties not presently known to us or that we currently deem immaterial may also impair our business operations.

#### Risks Related to Our Business, Industry and Partners

If we are unable to compete in the markets for our products, our financial results will be adversely impacted. The market for our products is extremely competitive, and we expect competition to intensify as current competitors expand their product offerings, industry standards continue to evolve and others realize the market potential of mobile and consumer products and services. We expect competition to increase from both existing competitors and new market entrants with products that may be less costly than ours, or may provide better performance or additional features not provided by our products. In addition, it is possible that new competitors or alliances among competitors could emerge and acquire significant market share. Furthermore, competitors with greater financial resources may be able to offer lower prices than us, or they may offer additional products, services or other incentives that we may not be able to match. In addition, many of our competitors operate and maintain their own fabrication facilities and have longer operating histories, greater name recognition, larger customer bases, and greater sales, marketing and distribution resources than we do. In order to effectively compete we may have to invest more resources in research and development than anticipated, which could increase our operating expenses and negatively impact our operating results. If we are required to invest significantly greater resources than anticipated in research and development efforts without a corresponding increase in revenue, our operating results could decline. In order to remain competitive, we anticipate that we will continue to devote substantial resources to research and development, and we expect these expenses to increase in absolute dollars in the foreseeable future due to the increased complexity and the greater number of products under development. Our ability to compete will depend on, among other factors, our ability to:

- continue to keep pace with technological developments;

- develop and introduce new products, services, technologies and enhancements on a timely basis;
- transition our semiconductor products to increasingly smaller line width geometries;
- obtain sufficient foundry capacity and packaging materials; and
- succeed in significant foreign markets, such as China and India.



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If we are unable to compete in our current or new markets, demand for our products could decrease which could cause our revenue to decline and our financial results to suffer. If and to the extent we offer products in new markets, we may face competition from existing competitors as well as from companies with which we currently do not compete. We expect substantial competition from both Intel's and AMD's strategy of selling platform solutions, including integrating a CPU and a GPU on the same chip or same package, as evidenced by AMD's APU product and Intel's CPUs with integrated graphics. As AMD and Intel continue to pursue platform solutions and integrated CPUs, we may not be able to successfully compete and our business could be negatively impacted. Despite the use of these integrated CPUs, personal computer, or PC, builders and consumers have continued to embrace discrete GPUs to provide higher performance, or the GPU attach rate. If integrated CPUs offer a more compelling value proposition in the future, our GPU attach rate could decrease, which could adversely affect our business and cause our financial results to decline.

Our business results could be adversely affected if the identification and development of new products is delayed or unsuccessful.

In order to maintain or improve our financial results, we will need to continue to identify and develop new products and enhancements to our existing products in a timely and cost-effective manner. The process of developing new products and services and enhancing existing products and services is highly complex, costly and uncertain, and any failure by us to anticipate customers' changing needs and emerging technology trends could adversely affect our business. We must make long-term investments and commit significant resources before knowing whether our predictions will accurately reflect customer demand for our new products and technologies. It is possible that our development efforts will not be successful and that our new technologies will not result in meaningful revenues. Even if we introduce new and enhanced products to the market, we may not be able to achieve market acceptance of them in a timely manner.

Our ability to successfully develop and deliver new products will depend on various factors, including our ability to:

- effectively identify and capitalize upon opportunities in new markets;
- timely complete and introduce new products and technologies;
- transition our semiconductor products to increasingly smaller line width geometries; and
- obtain sufficient foundry capacity and packaging materials.

We occasionally have experienced delays in completing the development and introduction of new products and product enhancements, and we could experience delays in the future. In addition, in the past, we have been unable to successfully manage product transitions from older to newer products resulting in obsolete inventory. Our failure to successfully develop and introduce new products and technologies or identify new uses for existing or future products could result in rapidly declining average selling prices, reduced demand for our products or loss of market share, any of which could harm our competitive position and cause our revenue, gross margin and overall financial results to suffer.

If we are unable to achieve market acceptance and design wins for our products and technologies, our results of operations and competitive position will be harmed.

The success of our business depends to a significant extent on our ability to achieve market acceptance of our new products and enhancements to our existing products and identify and enter new markets, such as smartphones, tablets and other similar consumer electronic devices. The markets for our products and technologies are characterized by unpredictable and sometimes rapid shifts in the popularity of products, often caused by the publication of competitive industry benchmark results, changes in pricing of dynamic random-access memory devices and other changes in the total system cost of add-in boards, or AIBs, as well as by severe price competition and by frequent new technology and product introductions. Broad market acceptance is difficult to achieve and such market acceptance, if achieved, is difficult to sustain due to intense competition and frequent new technology and product introductions. Our success in achieving marketing acceptance will depend in part on our ability to cultivate new industry relationships and improve the functionality of our products as the number of internet-connected devices increases. If we do not successfully achieve or maintain market acceptance for our products and enhancements or identify and enter new markets, our ability to compete and maintain or increase revenues will suffer.

Additionally, there can be no assurance that the industry will continue to demand new products with improved standards, features or performance. If our customers, original equipment manufacturers, or OEMs, original design manufacturers, or ODMs, add-in card and motherboard manufacturers, system builders and consumer electronics companies do not continue to design products that require more advanced or efficient processors and/or the markets do not continue to demand new products with increased performance, features, functionality or standards, sales of our products could decline and the markets for our products could shrink. Decreased sales of our products for these markets could negatively impact our revenue and our financial results.

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We believe achieving design wins, which entails having our existing and future products chosen for hardware components or subassemblies designed by OEMs, ODMs, and AIB and motherboard manufacturers, is an integral part of our future success. Our OEM, ODM, and AIB and motherboard manufacturers' customers typically introduce new system configurations as often as twice per year, typically based on spring and fall design cycles or in connection with trade shows. Accordingly, when our customers are making their design decisions, our existing products must have competitive performance levels or we must timely introduce new products in order to be included in our customers' new system configurations. This requires that we:

- anticipate the features and functionality that customers and consumers will demand;
- incorporate those features and functionalities into products that meet the exacting design requirements of our customers;
- price our products competitively; and
- introduce products to the market within our customers' limited design cycles.

If OEMs, ODMs, and AIB and motherboard manufacturers do not include our products in their systems, they will typically not use our products in their systems until at least the next design configuration. Therefore, we endeavor to develop close relationships with our OEMs and ODMs, in an attempt to better anticipate and address customer needs in new products so that we will achieve design wins.

Our ability to achieve design wins also depends in part on our ability to identify and be compliant with evolving industry standards. Unanticipated changes in industry standards could render our products incompatible with products developed by major hardware manufacturers and software developers. If our products are not in compliance with prevailing industry standards, we may not be designed into our customers' product designs. However, to be compliant with changes to industry standards, we may have to invest significant time and resources to redesign our products which could negatively impact our gross margin or operating results. If we are unable to achieve new design wins for existing or new customers, we may lose market share and our operating results would be negatively impacted.

We depend on foundries to manufacture our products and these third parties may not be able to obtain or successfully implement high quality, leading-edge process technologies or otherwise satisfy our manufacturing requirements, which would harm our business.

We do not manufacture the silicon wafers used for our products and do not own or operate a wafer fabrication facility. Instead, we are dependent on industry-leading foundries, such as Taiwan Semiconductor Manufacturing Company Limited, or TSMC, to manufacture our semiconductor wafers using their fabrication equipment and techniques. A substantial portion of our wafers are supplied by TSMC. The foundries, which have limited capacity, also manufacture products for other semiconductor companies, including some of our competitors. Since we do not have long-term commitment contracts with any of these foundries, they do not have an obligation to provide us with any set pricing or minimum quantity of product at any time except as may be provided in a specific purchase order. Most of our products are only manufactured by one foundry at a time. In times of high demand, the foundries could choose to prioritize their capacity for other companies, reduce or eliminate deliveries to us, or increase the prices that they charge us. If we are unable to meet customer demand due to reduced or eliminated deliveries or have to increase the prices of our products, we could lose sales to customers, which would negatively impact our revenue and our reputation.

We use the most advanced manufacturing process technology appropriate for our products that is available from our third-party foundries. As a result, we continuously evaluate the benefits of migrating our products to smaller geometry process technologies in order to improve performance and reduce costs. Manufacturing process technologies are subject to rapid change and require significant expenditures for research and development, which could negatively impact our operating expenses and gross margin. Our third-party foundries may not be able to develop, obtain or successfully implement high quality, leading-edge process technologies needed to manufacture our products profitably or on a timely basis. Our competitors (including those that own their own manufacturing facilities) may also develop high quality, leading-edge process technologies earlier than our third-party foundries. If our third-party foundries experience manufacturing inefficiencies, we may fail to achieve acceptable yields or experience product delivery delays.

We have experienced difficulty in migrating to new manufacturing processes in the past and, consequently, have suffered reduced yields, delays in product deliveries and increased expense levels. For example, due to capacity constraints at TSMC of our 28 nanometer Kepler GPUs in the first quarter of fiscal year 2013, we were unable to fulfill customer demand for our high-end desktop GPU products, and as our sales mix shifted to our mainstream desktop GPU products, revenue and gross margins for the first quarter of fiscal year 2013 were negatively impacted compared to the prior quarter. We experienced continued 28 nanometer-supply constraints in the second quarter of fiscal year 2013.

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Because the lead-time needed to establish strategic relationships with new manufacturing partners and achieve initial production could be over a year, we do not have an alternative source of supply for our products. In addition, the time and effort to qualify a new foundry would result in additional expense and diversion of resources, and could result in lost sales, any of which would negatively impact our financial results. We believe that long-term market acceptance for our products will depend on reliable relationships with the third-party manufacturers we use to ensure adequate product supply and competitive pricing to respond to customer demand.

Failure to achieve expected manufacturing yields for our products could negatively impact our financial results and damage our reputation.

Manufacturing yields for our products are a function of product design, which is developed largely by us, and process technology, which typically is proprietary to the manufacturer. Low yields may result from either product design or process technology failure. We do not know a yield problem exists until our design is manufactured. When a yield issue is identified, the product is analyzed and tested to determine the cause. As a result, yield problems may not be identified until well into the production process. Resolution of yield problems requires cooperation by, and communication between, us and the manufacturer. Because of our potentially limited access to wafer foundry capacity, decreases in manufacturing yields could result in an increase in our costs and force us to allocate our available product supply among our customers. Lower than expected yields could potentially harm customer relationships, our reputation and our financial results.

Business disruptions could seriously harm our future revenue and financial condition and increase our costs and expenses.

Our worldwide operations could be disrupted by earthquakes, telecommunications failures, power or water shortages, tsunamis, floods, hurricanes, typhoons, fires, extreme weather conditions, medical epidemics or pandemics and other natural or man-made disasters, catastrophic events or climate change. The occurrence of any of these business disruptions could result in significant losses, seriously harm our revenue and financial condition, adversely affect our competitive position, increase our costs and expenses, and require substantial expenditures and recovery time in order to fully resume operations. Our corporate headquarters, and a portion of our research and development activities, are located in California, and other critical business operations and some of our suppliers are located in Asia, near major earthquake faults known for seismic activity. In addition, a majority of our principal information technology, or IT, data centers are located in California, making our operations vulnerable to natural disasters or other business disruptions occurring in this geographical area. The manufacture of product components, the final assembly of our products and other critical operations are concentrated in certain geographic locations, including Taiwan, China and Korea. Our operations could be adversely affected if manufacturing, logistics or other operations in these locations are disrupted for any reason, including natural disasters, high heat events or water shortages, information technology system failures, military actions or economic, business, labor, environmental, public health, regulatory or political issues. The ultimate impact on us, our significant suppliers and our general infrastructure of being located near major earthquake faults and being consolidated in certain geographical areas is unknown. However, in the event of a major earthquake or other natural disaster or catastrophic event, our revenue, profitability and financial condition could suffer.

A decline in demand in certain end-user markets could decrease the demand for our products and harm our results of operations.

Our customer base includes companies in a wide range of end-user markets, but we generate a significant amount of revenue from sales to customers in the communications- and computer-related industries. Within these end-user markets, a large portion of our revenue is generated from sales to customers in the cell phone, tablet and PC markets, including professional workstations. Decline in one or several of these end-user markets could harm demand for our products and our results of operations and financial condition. These declines could be large and sudden. Since PC, cell phone and tablet manufacturers often build inventories during periods of anticipated growth, they may be left with excess inventories if growth slows or if they incorrectly forecast product transitions. In these cases, these manufacturers may abruptly suspend substantially all purchases of additional inventory from suppliers like us until their excess inventory has been absorbed, which would have a negative impact on our financial results.



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We sell our products to a small number of customers and our business could suffer if we lose any of these customers. We receive a significant amount of our revenue from a limited number of customers. One customer accounted for 13% of our total revenue in fiscal year 2013 and 11% of our total revenue in fiscal year 2012 and another customer accounted for 12% of our total revenue in fiscal year 2011. Approximately 40% of our accounts receivable balance was from three customers as of January 27, 2013, and 20% of our accounts receivable balance was from one customer as of January 29, 2012. We maintain an allowance for doubtful accounts for estimated losses resulting from the inability of our customers to make required payments and obtain credit insurance over the purchasing credit extended to certain customers. In the future, we may have to record additional reserves or write-offs and/or defer revenue on certain sales transactions which could negatively impact our financial results and as a result of the tightening of the credit markets, we may not be able to acquire credit insurance on the credit we extend to these customers or in amounts that we deem sufficient.

Sales to our largest customers have fluctuated significantly from period to period primarily due to the timing and number of design wins with each customer, as well as the continued diversification of our customer base as we expand into new markets, and will likely continue to fluctuate dramatically in the future. Our operating results in the foreseeable future will continue to depend on sales to a relatively small number of customers, as well as the ability of these customers to sell products that incorporate our products. In the future, these customers may decide not to purchase our products at all, purchase fewer products than they did in the past, or alter their purchasing patterns in some other way, particularly because:

- substantially all of our sales are made on a purchase order basis, which permits our customers to cancel, change or delay product purchase commitments with little or no notice to us and without penalty;
- our customers may develop their own solutions;
- our customers may purchase products from our competitors; or
- our customers may discontinue sales or lose market share in the markets for which they purchase our products.

The loss of any of our large customers or a significant reduction in sales we make to them would likely harm our financial condition and results of operations and any difficulties in collecting accounts receivable could harm our operating results and financial condition.

If we fail to appropriately scale our operations in response to changes in demand for our existing products or to the demand for new products requested by our customers, our business and profitability could be harmed.

To achieve our business objectives, it may be necessary from time to time for us to expand or contract our operations. In the future, we may not be able to scale our workforce and operations in a sufficiently timely manner to respond effectively to changes in demand for our existing products or to the demand for new products requested by our customers. In that event, we may be unable to meet competitive challenges or exploit potential market opportunities, and our current or future business could be materially and adversely affected. Conversely, if we expand our operations and workforce too rapidly in anticipation of increased demand for our products, and such demand does not materialize at the pace at which we expected, the rate of increase in our costs and operating expenses may exceed the rate of increase in our revenue, which would adversely affect our results of operations. In addition, if such demand does not materialize at the pace which we expect, we may be required to scale down our business through expense and headcount reductions as well as facility consolidations or closures that could result in restructuring charges that would materially and adversely affect our results of operations. Because many of our expenses are fixed in the short-term or are incurred in advance of anticipated sales, we may not be able to decrease our expenses in a timely manner to offset any decrease in customer demand. If customer demand does not increase as anticipated, our profitability could be adversely affected due to our higher expense levels.

Our past growth has placed, and any future long-term growth is expected to continue to place, a significant strain on our management personnel, systems and resources. To implement our current business and product plans, we will need to continue to expand, train, manage and motivate our workforce. All of these endeavors require substantial management effort. If we are unable to effectively manage our expanding operations, we may be unable to scale our business quickly enough to meet competitive challenges or exploit potential market opportunities, or conversely, we

may scale our business too quickly and the rate of increase in our costs and expenses may exceed the rate of increase in our revenue, either of which would harm our results of operations.

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Our revenue may fluctuate while our operating expenses are relatively fixed, which makes our results difficult to predict and could cause our results to fall short of expectations.

Our operating expenses are relatively fixed and largely independent of revenue. Therefore, it is difficult for us to accurately forecast profits or losses in any particular period. Our operating expenses, which are comprised of research and development expenses and sales, general and administrative expenses, represented 36.9%, 35.2% and 32.6% of our total revenue for fiscal years 2013, 2012 and 2011, respectively. Since we often recognize a substantial portion of our revenue in the last month of each quarter, it is also difficult to accurately forecast revenue and we may not be able to adjust our operating expenses in a timely manner in response to any unanticipated revenue shortfalls in any quarter. Further, some of our operating expenses, like stock-based compensation expense, can only be adjusted over a longer period of time and cannot be reduced during a quarter. If we are unable to reduce operating expenses quickly in response to any revenue shortfalls, our financial results will be negatively impacted.

Any one or more of the risks discussed in this Annual Report on Form 10-K or other factors could prevent us from achieving our expected future revenue or net income. Accordingly, we believe that period-to-period comparisons of our results of operations should not be relied upon as an indication of future performance. Similarly, the results of any quarterly or full fiscal year period are not necessarily indicative of results to be expected for a subsequent quarter or a full fiscal year. As a result, it is possible that in some quarters our operating results could be below the expectations of securities analysts or investors, which could cause the trading price of our common stock to decline. We believe that our quarterly and annual results of operations may continue to be affected by a variety of factors that could harm our revenue, gross profit and results of operations.

Because our gross margin for any period depends on a number of factors, our failure to forecast changes in any of these factors could adversely affect our gross margin.

We are focused on improving our gross margin. Our gross margin for any period depends on a number of factors, including:

- the mix of our products sold;
- average selling prices;
- introduction of new products;
- product transitions;
- sales discounts;
- unexpected pricing actions by our competitors;
- the cost of product components; and
- the yield of wafers produced by the foundries that manufacture our products.

If we do not correctly forecast the impact of any of the relevant factors on our business, there may not be any actions we can take or we may not be able to take any possible actions in time to counteract any negative impact on our gross margin. In addition, if we are unable to meet our gross margin target for any period or the target set by analysts, the trading price of our common stock may decline.

Our business is cyclical in nature and has experienced severe downturns that have harmed, and may in the future harm, our business and financial results.

Our business is directly affected by market conditions in the highly cyclical semiconductor industry. The semiconductor industry has been adversely affected by many factors, including the global downturn, ongoing efforts by our customers to reduce their spending, diminished product demand, increased inventory levels, lower average selling prices, uncertainty regarding long-term growth rates and underlying financial health and increased competition. These factors, could, among other things, limit our ability to maintain or increase our sales or recognize revenue and in turn adversely affect our business, operating results and financial condition. If our actions to reduce our operating expenses to sufficiently offset these factors when they occur are unsuccessful, our operating results will suffer.

Our stock price continues to be volatile and investors may suffer losses.

Our stock has at times experienced substantial price volatility as a result of variations between our actual and anticipated financial results, announcements by us and our competitors, or uncertainty about current global economic conditions. The stock market as a whole also has experienced extreme price and volume fluctuations that have

affected the market price of many technology companies in ways that may have been unrelated to these companies' operating performance.

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In the past, securities class action litigation has often been brought against a company following periods of volatility in the market price of its securities. Due to changes in the volatility of our stock price, we have been in the past and may be in the future the target of securities litigation. Such lawsuits generally result in the diversion of management's time and attention away from business operations, which could harm our business. In addition, the costs of defense and any damages resulting from litigation, a ruling against us, or a settlement of the litigation could adversely affect our cash flow and financial results.

Our failure to estimate customer demand properly could adversely affect our financial results.

We manufacture our products based on forecasts of customer demand in order to have shorter shipment lead times and quicker delivery schedules for our customers. As a result, we may build inventories for anticipated periods of growth which do not occur or may build inventory anticipating demand for a product that does not materialize. In forecasting demand, we make multiple assumptions any of which may prove to be incorrect. Situations that may result in excess or obsolete inventory include:

- changes in business and economic conditions, including downturns in the semiconductor industry and/or overall economy;

- changes in consumer confidence caused by changes in market conditions, including changes in the credit market, expectations for inflation, and energy prices;

- if there were a sudden and significant decrease in demand for our products;

- if there were a higher incidence of inventory obsolescence because of rapidly changing technology and customer requirements;

- if we fail to estimate customer demand properly for our older products as our newer products are introduced; or

- if our competition were to take unexpected competitive pricing actions.

Any inability to sell products to which we have devoted resources could harm our business. In addition, cancellation or deferral of customer purchase orders could result in our holding excess inventory, which could adversely affect our gross margin and restrict our ability to fund operations. Additionally, because we often sell a substantial portion of our products in the last month of each quarter, we may not be able to reduce our inventory purchase commitments in a timely manner in response to customer cancellations or deferrals. We could be subject to excess or obsolete inventories and be required to take corresponding inventory write-downs and/or a reduction in average selling prices if growth slows or does not materialize, or if we incorrectly forecast product demand, which could negatively impact our financial results.

Conversely, if we underestimate our customers' demand for our products, our third-party manufacturing partners may not have adequate lead-time or capacity to increase production for us meaning that we may not be able to obtain sufficient inventory to fill our customers' orders on a timely basis. Even if we are able to increase production levels to meet customer demand, we may not be able to do so in a cost effective or timely manner. Inability to fulfill our customers' orders on a timely basis, or at all, could damage our customer relationships, result in lost revenue, cause a loss in market share, impact our customer relationships or damage our reputation, any of which could adversely impact our business.

We may not be able to realize the potential financial or strategic benefits of business acquisitions or strategic investments and we may not be able to successfully integrate acquisition targets, which could hurt our ability to grow our business, develop new products or sell our products.

We have acquired and invested in other businesses that offered products, services and technologies that we believe will help expand or enhance our existing products and business. Most recently, we completed our acquisition of Icera Inc., an innovator of baseband processors for 3G and 4G cellular phones and tablets. Such a transaction can involve significant integration challenges and there can be no assurance that pre-acquisition due diligence will have identified all possible issues and risks that might arise with respect to the acquisition. If we are unable to timely and successfully integrate the acquired operations, product lines and technology of Icera, we may not be able to realize the expected benefits of the acquisition, which could adversely affect our business plans and operating results.

We may enter into future acquisitions of, or investments in, businesses, in order to complement or expand our current businesses or enter into a new business market. Negotiations associated with an acquisition or strategic investment

could divert management's attention and other company resources. Any of the following risks associated with past or future acquisitions or investments could impair our ability to grow our business, develop new products or sell our products, and ultimately could have a negative impact on our growth or our financial results:

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- difficulty in combining the technology, products, operations or workforce of the acquired business with our business;
- difficulty in operating in a new or multiple new locations;
- disruption of our ongoing businesses or the ongoing business of the company we invest in or acquire;
- difficulty in realizing the potential financial or strategic benefits of the transaction;
- difficulty in maintaining uniform standards, controls, procedures and policies;
- difficulty integrating the target's accounting, management information, human resources and other administrative systems;
- diversion of capital and other resources;
- assumption of liabilities;
- incurring acquisition-related costs or amortization costs for acquired intangible assets that could impact our operating results;
- diversion of resources and unanticipated expenses resulting from litigation arising from potential or actual business acquisitions or investments;
- potential failure of the due diligence processes to identify significant issues with product quality, architecture and development, or legal and financial contingencies, among other things;
- difficulties in entering into new markets in which we have limited or no experience and where competitors in such markets have stronger positions;
- potential inability to obtain, or obtain in a timely manner, approvals from governmental authorities, which could delay or prevent such acquisitions or investments; and
- impairment of relationships with employees, vendors and customers, or the loss of any of our key employees, vendors or customers or our target's key employees, vendors or customers, as a result of our acquisition or investment.

In addition, the consideration for any future acquisition could be paid in cash, shares of our common stock, the issuance of convertible debt securities or a combination of cash, convertible debt and common stock. If we make an investment in cash or use cash to pay for all or a portion of an acquisition, our cash reserves would be reduced which could negatively impact the growth of our business or our ability to develop new products. However, if we pay the consideration with shares of common stock, or convertible debentures, the holdings of our existing stockholders would be diluted. A significant decline in the trading price of our common stock would make the dilution to our stockholders more extreme and could negatively impact our ability to pay the consideration with shares of common stock or convertible debentures. We cannot forecast the number, timing or size of future strategic investments or acquisitions, or the effect that any such investments or acquisitions might have on our operations or financial results. System security risks, data protection breaches, cyber-attacks and systems integration issues could disrupt our internal operations, and any such disruption could reduce our expected revenue, increase our expenses, damage our reputation and adversely affect our stock price.

Experienced computer programmers and hackers may be able to penetrate our security controls and misappropriate or compromise our confidential information or that of third parties, create system disruptions or cause shutdowns. Computer programmers and hackers also may be able to develop and deploy viruses, worms and other malicious software programs that attack our products or otherwise exploit any security vulnerabilities of our products. The costs to us to eliminate or alleviate cyber or other security problems, bugs, viruses, worms, malicious software programs and security vulnerabilities could be significant, and our efforts to address these problems may not be successful and could result in interruptions, delays, cessation of service and loss of existing or potential customers that may impede our sales, manufacturing, distribution or other critical functions.

We manage and store various proprietary information and sensitive or confidential data relating to our business and third party business. Breaches of our security measures or the accidental loss, inadvertent disclosure or unapproved dissemination of proprietary information or sensitive or confidential data about us or our partners or customers, including the potential loss or disclosure of such information or data as a result of fraud, trickery or other forms of deception, could expose us, our partners and customers or the individuals affected to a risk of loss or misuse of this information, result in litigation and potential liability for us, damage our brand and reputation or otherwise harm our

business. In addition, the cost and operational consequences of implementing further data protection measures could be significant. For example, in July 2012, unauthorized third parties gained access to certain user information on our online forums. We have strengthened security in an effort to minimize future attacks.

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However, hackers may continue to target our security controls in the future, and we cannot guarantee that our security measures will be able to prevent future breaches of our website and/or attacks on our products.

Portions of our IT infrastructure also may experience interruptions, delays or cessations of service or produce errors in connection with systemic failures, systems integration or migration work that takes place from time to time. We may not be successful in implementing new systems and transitioning data, which could cause business disruptions and be more expensive, time consuming, disruptive and resource-intensive. Such disruptions could adversely impact our ability to fulfill orders and interrupt other processes. Delayed sales, lower margins or lost customers resulting from these disruptions could adversely affect our financial results, stock price and reputation.

We may not be able to attract and retain qualified employees which could negatively impact our business.

Our future success and ability to compete are substantially dependent on our ability to identify, hire, train and retain highly qualified key personnel. The market for key employees in the technology industry can be competitive. None of our key employees is bound by an employment agreement, meaning our relationships with all of our key employees are at will. The loss of the services of any of our key employees without an adequate replacement or our inability to hire new employees as needed could delay our product development efforts, harm our ability to sell our products or otherwise negatively impact our business.

We are dependent on third parties for assembly, testing and packaging of our products, which reduces our control over our product delivery schedule, product quantity or product quality.

Our products are assembled, tested and packaged by independent subcontractors, such as Advanced Semiconductor Engineering, Inc., ChipPAC, JSI Logistics, Ltd., King Yuan Electronics Co. and Siliconware Precision Industries Co. Ltd. As a result, we do not directly control our product delivery schedules, product quantity, or product quality. All of these subcontractors assemble, test and package products for other companies, including some of our competitors. Since we do not have long-term agreements with our subcontractors, when demand for subcontractors to assemble, test or package products is high, our subcontractors may decide to prioritize the orders of other customers over our orders. Since the time required to qualify a different subcontractor to assemble, test or package our products can be lengthy, if we have to find a replacement subcontractor we could experience significant delays in shipments of our products, product shortages, a decrease in the quality of our products, or an increase in product cost. Any product shortages or quality assurance problems could increase the costs of manufacture, assembly or testing of our products, which could cause our gross margin to decline.

We rely on third-party vendors to supply software development tools to us for the development of our new products and we may be unable to obtain the tools necessary to develop or enhance new or existing products.

We rely on third-party software development tools to assist us in the design, simulation and verification of new products or product enhancements. To bring new products or product enhancements to market in a timely manner, or at all, we need software development tools that are sophisticated enough or technologically advanced enough to complete our design, simulations and verifications. In the past, we have experienced delays in the introduction of products as a result of the inability of then available software development tools to fully simulate the complex features and functionalities of our products. In the future, the design requirements necessary to meet consumer demands for more features and greater functionality from our products may exceed the capabilities of available software development tools. Unavailability of software development tools may result in our missing design cycles or losing design wins, either of which could result in a loss of market share or negatively impact our operating results.

Because of the importance of software development tools to the development and enhancement of our products, a critical component of our product development efforts is our partnerships with leaders in the computer-aided design industry, including Cadence Design Systems, Inc. and Synopsys, Inc. We have invested significant resources to develop relationships with these industry leaders and have often assisted them in the definition of their new products. We believe that forming these relationships and utilizing next-generation development tools to design, simulate and verify our products will help us remain at the forefront of the 3D graphics, communications and networking segments and develop products that utilize leading-edge technology on a rapid basis. If these relationships are not successful, we may be unable to develop new products or product enhancements in a timely manner, which could result in a loss of market share, a decrease in revenue or a negative impact on our operating results.





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If our products contain significant defects, our financial results could be negatively impacted, our reputation could be damaged and we could lose market share.

Our products are complex and may contain defects or experience failures due to any number of issues in design, fabrication, packaging, materials and/or use within a system. If any of our products or technologies contains a defect, compatibility issue or other error, we may have to invest additional research and development efforts to find and correct the issue. Such efforts could divert our engineers' attention from the development of new products and technologies and could increase our operating costs and reduce our gross margin. In addition, an error or defect in new products or releases or related software drivers after commencement of commercial shipments could result in failure to achieve market acceptance or loss of design wins. Also, we may be required to reimburse customers, including our customers' costs to repair or replace products in the field. A product recall or a significant number of product returns could be expensive, could damage our reputation, could result in the shifting of business to our competitors and could result in litigation against us. Costs associated with correcting defects, errors, bugs or other issues could be significant and could materially harm our financial results. During fiscal years 2011, 2010 and 2009, we recorded net warranty charges of \$466.4 million against cost of revenue to cover anticipated customer warranty, repair, return, replacement and other costs arising from a weak die/package material set used in certain versions of our previous generation MCP and GPU products used in notebook configurations and shipped after July 2008. Please see the risk entitled "We are subject to litigation which, if determined adversely to us, could harm our business" for further information regarding this product defect.

We are subject to risks associated with international operations which may harm our business.

We conduct our business worldwide. Our semiconductor wafers are manufactured, assembled, tested and packaged by third-parties located outside of the United States and other Americas. We generated 74%, 78% and 83% of our revenue for fiscal years 2013, 2012 and 2011, respectively, from sales to customers outside the United States and other Americas. As of January 27, 2013, we had offices in 16 countries outside of the United States. The manufacture, assembly, test and packaging of our products outside of the United States, operation of offices outside of the United States, and sales to customers internationally subjects us to a number of risks, including:

- international economic and political conditions, such as political tensions between countries in which we do business;
- unexpected changes in, or impositions of, legislative or regulatory requirements;
- complying with a variety of foreign laws;
- differing legal standards with respect to protection of intellectual property and employment practices;
- local business and cultural factors that differ from our normal standards and practices, including business practices that we are prohibited from engaging in by the Foreign Corrupt Practices Act and other anticorruption laws and regulations;
- inadequate local infrastructure that could result in business disruptions;
- exporting or importing issues related to export or import restrictions, tariffs, quotas and other trade barriers and restrictions;
- financial risks such as longer payment cycles, difficulty in collecting accounts receivable and fluctuations in currency exchange rates;
- imposition of additional taxes and penalties;
- increased costs due to imposition of climate change regulations, such as carbon taxes, fuel or energy taxes, and pollution limits; and
- other factors beyond our control such as terrorism, cyber attack, civil unrest, war and diseases.

If sales to any of our customers outside of the United States and other Americas are delayed or cancelled because of any of the above factors, our revenue may be negatively impacted.

Our international operations in China, Finland, France, Germany, Hong Kong, India, Italy, Japan, Korea, Russia, Singapore, Sweden, Switzerland, United Arab Emirates, Taiwan and the United Kingdom are subject to many of the above listed risks. Difficulties with our international operations, including finding appropriate staffing and office space, may divert management's attention and other resources, any of which could negatively impact our operating

results.

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Legal and regulatory requirements differ among jurisdictions worldwide. Violations of these laws and regulations could result in fines; criminal sanctions against us, our officers, or our employees; prohibitions on the conduct of our business; and damage to our reputation. Although we have policies, controls, and procedures designed to ensure compliance with foreign laws, many of these laws and regulations are ambiguous and are often interpreted and enforced in unpredictable ways.

The economic conditions in our primary overseas markets, particularly in Asia, may negatively impact the demand for our products abroad. All of our international sales to date have been denominated in United States dollars.

Accordingly, an increase in the value of the United States dollar relative to foreign currencies could make our products less competitive in international markets or require us to assume the risk of denominating certain sales in foreign currencies. We anticipate that these factors will impact our business to a greater degree as we further expand our international business activities.

Our investment portfolio may become impaired by deterioration of the capital markets.

Our cash equivalent and marketable securities portfolio as of January 27, 2013 consisted of cash and cash equivalents, commercial paper, mortgage-backed securities issued by Government-sponsored enterprises, money market funds and debt securities of corporations, municipalities and the United States government and its agencies. We follow an established investment policy and set of guidelines, designed to preserve principal, minimize risk, and monitor and help mitigate our exposure to interest rate and credit risk. The policy sets forth credit quality standards and limits our exposure to any one issuer, as well as our maximum exposure to various asset classes, and a variety of financial instruments, consisting principally of cash and cash equivalents, commercial paper, mortgage-backed securities issued by Government-sponsored enterprises, money market funds and debt securities of corporations, municipalities and the United States government and its agencies.

Should financial market conditions worsen in the future, investments in some financial instruments may pose risks arising from market liquidity and credit concerns. In addition, any deterioration of the capital markets could cause our other income and expense to vary from expectations. As of January 27, 2013, we had no material impairment charges associated with our short-term investment portfolio, and although we believe our current investment portfolio has very little risk of material impairment, we cannot predict future market conditions or market liquidity, or credit availability, and can provide no assurance that our investment portfolio will remain materially unimpaired.

### Risks Related to Regulatory, Legal, Our Common Stock and Other Matters

We are subject to litigation which, if determined adversely to us, could harm our business.

For example, we are engaged in litigation with parties related to our acquisition of 3dfx in 2001. In addition, in September, October and November 2008, several putative securities class action lawsuits were filed against for alleged defects in our previous generation MCP and GPU products. As of January 27, 2013, we recorded a total cumulative net warranty charge of \$475.9 million, of which \$466.4 million has been charged against cost of revenue, to cover anticipated customer warranty, repair, return, replacement and other costs arising from a weak die/package material set used in certain versions of our previous generation MCP and GPU products shipped after July 2008 and used in notebook configuration. The previous generation MCP and GPU products that are impacted were included in a number of notebook products that were shipped and sold in significant quantities. Certain notebook configurations of these MCP and GPU products are failing in the field at higher than normal rates. Testing suggests a weak material set of die/package combination, system thermal management designs, and customer use patterns are contributing factors for these failures. We have worked with our customers to develop and have made available for download a software driver to cause the system fan to begin operation at the powering up of the system and reduce the thermal stress on these chips. We have also recommended to our customers that they consider changing the thermal management of the products in their notebook system designs. Although we believe this issue has been nearly fully remediated, we remain committed to fully support our customers in their repair and replacement of these impacted products that fail, and their other efforts to mitigate the consequences of these failures. We continue to not see any abnormal failure rates in any systems using NVIDIA products other than certain notebook configurations. However, we are continuing to test and otherwise investigate other products. There can be no assurance that we will not discover defects in other products. Please refer to Note 13 of the Notes to the Consolidated Financial Statements in Part IV, Item 15 of this Annual Report on Form 10-K for further details on these lawsuits.



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There can be no assurance that any litigation to which we are a party will be resolved in our favor. Any claim that is successfully decided against us may cause us to pay substantial damages, including punitive damages, and other related fees or prevent us from selling or importing certain of our products. Regardless of whether lawsuits are resolved in our favor or if we are the plaintiff or the defendant in the litigation, any lawsuits to which we are a party will likely be expensive and time consuming to defend or resolve. Such lawsuits could result in the diversion of management's time and attention away from business operations, which could harm our business. Such lawsuits could also harm our relationships with existing customers and result in the diversion of management's time and attention away from business operations, which could harm our business. Costs of defense and any damages resulting from litigation, a ruling against us, or a settlement of the litigation could adversely affect our cash flow and financial results.

Our ability to compete will be harmed if we are unable to adequately protect our intellectual property. We rely primarily on a combination of patents, trademarks, trade secrets, employee and third-party nondisclosure agreements, and licensing arrangements to protect our intellectual property in the United States and internationally. We have numerous patents issued, allowed and pending in the United States and in foreign jurisdictions. Our patents and pending patent applications primarily relate to our products and the technology used in connection with our products. We also rely on international treaties, organizations and foreign laws to protect our intellectual property. The laws of certain foreign countries in which our products are or may be manufactured or sold, including various countries in Asia, may not protect our products or intellectual property rights to the same extent as the laws of the United States. This makes the possibility of piracy of our technology and products more likely. We continuously assess whether and where to seek formal protection for particular innovations and technologies based on such factors as:

- the commercial significance of our operations and our competitors' operations in particular countries and regions;
- the location in which our products are manufactured;
- our strategic technology or product directions in different countries; and
- the degree to which intellectual property laws exist and are meaningfully enforced in different jurisdictions.

Our pending patent applications and any future applications may not be approved. In addition, any issued patents may not provide us with competitive advantages or may be challenged by third parties.

Changes in United States tax legislation regarding our foreign earnings could adversely impact our business.

Currently, a majority of our revenue is generated from customers located outside the United States, and a significant portion of our assets, including employees, are located outside the United States. United States income taxes and foreign withholding taxes have not been provided on undistributed earnings for certain non-United States subsidiaries, because such earnings are intended to be indefinitely reinvested in the operations of those subsidiaries. Throughout the period of President Obama's administration, the White House has proposed various international tax measures, some of which, if enacted into law, would substantially reduce our ability to defer United States taxes on such indefinitely reinvested non-United States earnings, eliminate certain tax deductions until foreign earnings are repatriated to the United States and/or otherwise cause the total tax cost of U.S. multinational corporations to increase. If these or similar proposals are constituted into legislation in the current or future year(s), they could have a negative impact on our financial position and results of operations.

Our operating results may be adversely affected if we are subject to unexpected tax liabilities.

We are subject to taxation by a number of taxing authorities both in the United States and throughout the world. Tax rates vary among the jurisdictions in which we operate. Significant judgment is required in determining our provision for our income taxes as there are many transactions and calculations where the ultimate tax determination is uncertain. Although we believe our tax estimates are reasonable, any of the below could cause our effective tax rate to be materially different than that which is reflected in historical income tax provisions and accruals:

- the jurisdictions in which profits are determined to be earned and taxed;
- adjustments to estimated taxes upon finalization of various tax returns;
- changes in available tax credits;
- changes in stock-based compensation expense;

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changes in tax laws, the interpretation of tax laws either in the United States or abroad or the issuance of new interpretative accounting guidance related to transactions and calculations where the tax treatment was previously uncertain; and  
the resolution of issues arising from tax audits with various tax authorities.

Should additional taxes be assessed as a result of any of the above, our operating results could be adversely affected. In addition, our future effective tax rate could be adversely affected by changes in the mix of earnings in countries with differing statutory tax rates, changes in tax laws or changes in the interpretation of tax laws.

Litigation to defend against alleged infringement of intellectual property rights or to enforce our intellectual property rights and the outcome of such litigation could result in substantial costs to us.

We expect that as the number of issued hardware and software patents increases and as competition intensifies, the volume of intellectual property infringement claims and lawsuits may increase. We may in the future become involved in lawsuits or other legal proceedings alleging patent infringement or other intellectual property rights violations by us or that we have agreed to indemnify our customers for certain claims of infringement.

An unfavorable ruling in any such intellectual property related litigation could include significant damages, invalidation of a patent or family of patents, indemnification of customers, payment of lost profits, or, when it has been sought, injunctive relief.

In addition, in the future, we may need to commence litigation or other legal proceedings in order to:

- assert claims of infringement of our intellectual property;
- enforce our patents;
- protect our trade secrets or know-how; or
- determine the enforceability, scope and validity of the propriety rights of others.

If we have to initiate litigation in order to protect our intellectual property, our operating expenses may increase which could negatively impact our operating results. Our failure to effectively protect our intellectual property could harm our business.

If infringement claims are made against us or our products are found to infringe a third parties' patent or intellectual property, we or one of our indemnified customers may have to seek a license to the third parties' patent or other intellectual property rights. However, we may not be able to obtain licenses at all or on terms acceptable to us particularly from our competitors. If we or one of our indemnified customers is unable to obtain a license from a third party for technology that we use or that is used in one of our products, we could be subject to substantial liabilities or have to suspend or discontinue the manufacture and sale of one or more of our products. We may also have to make royalty or other payments, or cross license our technology. If these arrangements are not concluded on commercially reasonable terms, our business could be negatively impacted. Furthermore, the indemnification of a customer may increase our operating expenses which could negatively impact our operating results.

We are subject to the risks of owning real property.

During fiscal year 2009, we purchased real property in Santa Clara, California that includes approximately 25 acres of land and ten commercial buildings and expect to break ground on a new building for our corporate headquarters campus in Santa Clara in fiscal year 2014. We also own real property in China and India. We have limited experience in the ownership and management of real property and are subject to the risks of owning real property, including:

- the possibility of environmental contamination and the costs associated with mitigating any environmental problems;
- adverse changes in the value of these properties, due to interest rate changes, changes in the market in which the property is located, or other factors;
- the risk of loss if we decide to sell and are not able to recover all capitalized costs;
- increased cash commitments for the planned construction of our Santa Clara campus;
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the possible need for structural improvements in order to comply with zoning, seismic and other legal or regulatory requirements;

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increased operating expenses for the buildings or the property or both;  
possible disputes with third parties, such as neighboring owners or others, related to the buildings or the property or both; and  
the risk of financial loss in excess of amounts covered by insurance, or uninsured risks, such as the loss caused by damage to the buildings as a result of earthquakes, floods and or other natural disasters.

Expensing employee equity compensation adversely affects our operating results and could also adversely affect our competitive position.

Since inception, we have used equity through our equity incentive plans and our employee stock purchase program as a fundamental component of our compensation packages. We believe that these programs directly motivate our employees and, through the use of vesting, encourage our employees to remain with us.

We record compensation expense for stock options, restricted stock units and our employee stock purchase plan using the fair value of those awards in accordance with generally accepted accounting principles in United States of America, or U.S. GAAP. Stock-based compensation expense was \$136.7 million, \$136.4 million and \$100.4 million for fiscal years 2013, 2012 and 2011, respectively, related to on-going vesting of equity awards, which negatively impacted our operating results.

To the extent that expensing employee equity compensation makes it more expensive to grant stock options and restricted stock units or to continue to have an employee stock purchase program, we may decide to incur increased cash compensation costs. In addition, actions that we may take to reduce stock-based compensation expense that may be more severe than any actions our competitors may implement and may make it difficult to attract retain and motivate employees, which could adversely affect our competitive position as well as our business and operating results.

We may be required to record a charge to earnings if our goodwill or amortizable intangible assets become impaired, which could negatively impact our operating results.

Under U.S. GAAP, we review our amortizable intangible assets and goodwill for impairment when events or changes in circumstances indicate the carrying value may not be recoverable. Goodwill is tested for impairment at least annually. The carrying value of our goodwill or amortizable assets from acquisitions may not be recoverable due to factors such as a decline in stock price and market capitalization, reduced estimates of future cash flows and slower growth rates in our industry or in any of our business units. Estimates of future cash flows are based on an updated long-term financial outlook of our operations. However, actual performance in the near-term or long-term could be materially different from these forecasts, which could impact future estimates. For example, if one of our business units does not meet its near-term and longer-term forecasts, the goodwill assigned to the business unit could be impaired. We may be required to record a charge to earnings in our financial statements during a period in which an impairment of our goodwill or amortizable intangible assets is determined to exist, which may negatively impact our results of operations.

Our failure to comply with any applicable environmental regulations could result in a range of consequences, including fines, suspension of production, excess inventory, sales limitations, and criminal and civil liabilities. We are subject to various state, federal and international laws and regulations governing the environment, including restricting the presence of certain substances in electronic products and making producers of those products financially responsible for the collection, treatment, recycling and disposal of those products. Although our management systems are designed to maintain compliance, we cannot assure you that we have been or will be at all times in complete compliance with such laws and regulations. If we violate or fail to comply with any of them, a range of consequences could result, including fines, import/export restrictions, sales limitations, criminal and civil liabilities or other sanctions. We could also be held liable for any and all consequences arising out of exposure to hazardous materials used, stored, released, disposed of by us or located at, under or emanating from our facilities or other environmental or natural resource damage.

Environmental laws are complex, change frequently and have tended to become more stringent over time. For example, the European Union and China are two among a growing number of jurisdictions that have enacted in recent years restrictions on the use of lead, among other chemicals, in electronic products. These regulations affect

semiconductor packaging. There is a risk that the cost, quality and manufacturing yields of lead-free products may be less favorable compared to lead-based products or that the transition to lead-free products may produce sudden changes in demand, which may result in excess inventory.

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There is also a movement to improve the transparency and accountability concerning the supply of minerals coming from the conflict zones in and around the Democratic Republic of Congo. New U.S. legislation includes disclosure requirements regarding the use of “conflict” minerals mined from the Democratic Republic of Congo and adjoining countries. The implementation of these requirements could affect the sourcing and availability of minerals used in the manufacture of semiconductor devices. As a result, there may only be a limited pool of suppliers who provide conflict-free metals, and we cannot assure you that we will be able to obtain products in sufficient quantities or at competitive prices. Furthermore, we may incur additional costs associated with complying with these disclosure requirements, including costs related to determining the source of any “conflict” minerals in our products. Also, since our supply chain is complex, we may face reputational challenges with our customers and other stockholders if we are unable to sufficiently verify the origins for all metals used in our products. Some customers may require that all of our products are certified to be conflict-free; if we cannot satisfy these customers, they may choose a competitor's products.

Future environmental legal requirements may become more stringent or costly and our compliance costs and potential liabilities arising from past and future releases of, or exposure to, hazardous substances may harm our business and our reputation.

While we believe that we have adequate internal control over financial reporting, if we or our independent registered public accounting firm determines that we do not, our reputation may be adversely affected and our stock price may decline.

Section 404 of the Sarbanes-Oxley Act of 2002 requires our management to report on, and our independent registered public accounting firm to audit, the effectiveness of our internal control structure and procedures for financial reporting. We have an ongoing program to perform the system and process evaluation and testing necessary to comply with these requirements. However, the manner in which companies and their independent public accounting firms apply these requirements and test companies' internal controls remains subject to some judgment. To date, we have incurred, and we expect to continue to incur, increased expense and to devote additional management resources to Section 404 compliance. Despite our efforts, if we identify a material weakness in our internal controls, there can be no assurance that we will be able to remediate that material weakness in a timely manner, or that we will be able to maintain all of the controls necessary to determine that our internal control over financial reporting is effective. In the event that our chief executive officer, interim chief financial officer or our independent registered public accounting firm determine that our internal control over financial reporting is not effective as defined under Section 404, investor perceptions of us may be adversely affected and could cause a decline in the market price of our stock.

Changes in financial accounting standards or interpretations of existing standards could affect our reported results of operations.

We prepare our consolidated financial statements in conformity with U.S. GAAP. These principles are constantly subject to review and interpretation by the SEC and various bodies formed to interpret and create appropriate accounting principles. A change in these principles can have a significant effect on our reported results and may even retroactively affect previously reported transactions. Additionally, changes in existing accounting rules or practices, including the possible conversion to unified international accounting standards, could have a significant adverse effect on our results of operations or the manner in which we conduct our business.

Provisions in our certificate of incorporation, our bylaws and our agreement with Microsoft Corporation could delay or prevent a change in control.

Our certificate of incorporation and bylaws contain provisions that could make it more difficult for a third party to acquire a majority of our outstanding voting stock. These provisions include the following:

- the ability of our Board of Directors to create and issue preferred stock without prior stockholder approval;
- the prohibition of stockholder action by written consent;

- a classified Board of Directors, which will become fully declassified from and after our 2014 Annual Meeting of Stockholders; and

- advance notice requirements for director nominations and stockholder proposals.

On March 5, 2000, we entered into an agreement with Microsoft in which we agreed to develop and sell graphics chips and to license certain technology to Microsoft and its licensees for use in the Xbox. Under the agreement, if an individual or corporation makes an offer to purchase shares equal to or greater than 30% of the outstanding shares of our common stock, Microsoft may have first and last rights of refusal to purchase the stock. The Microsoft provision and the other factors listed above could also delay or prevent a change in control of NVIDIA.

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### ITEM 1B. UNRESOLVED STAFF COMMENTS

Not applicable.

### ITEM 2. PROPERTIES

Our headquarters complex is located in Santa Clara, California. Our corporate campus is comprised of approximately 36 acres of land and twelve commercial buildings and seven other leased buildings with five used primarily as office buildings, one used primarily as warehouse space and the other remaining used primarily as lab space. In addition, we also lease a data center space in Santa Clara.

Outside of Santa Clara, we lease space in Austin and Richardson, Texas; Beaverton, Oregon; Bedford, Marion, and Westford, Massachusetts; Bellevue, Bothell and Redmond, Washington; Madison, Alabama; Durham, North Carolina; Greenville, South Carolina; Orlando, Florida; Salt Lake City, Utah; St. Louis, Missouri; Fort Collins and Boulder, Colorado; and Charlottesville, Virginia. These facilities are used as design centers and/or sales and administrative offices.

Outside of the United States, we lease space in HsinChu City, Taiwan; Tokyo, Japan; Seoul, Korea; Beijing, Shanghai, Tianjin and Xi'an, China; Shatin, Hong Kong; Mumbai, India; Courbevoie and Sophia Antipolis, France; Moscow, Russia; Berlin and Munich, Germany; Helsinki, Finland; Milan, Italy; Bristol, Cambridge, Theale and London, United Kingdom; Dubai, United Arab Emirates; Ontario, Canada; Singapore; Lund and Uppsala, Sweden; and Zurich, Switzerland. These facilities are used primarily to support our customers and operations and as sales and administrative offices. We also lease spaces in Wuerselen, Germany; Shenzhen, China; Taipei City, Taiwan; and Bangalore and Pune, India, which are used primarily as design centers. Additionally, we own buildings in Hyderabad, India and Shanghai, China which are being used primarily as research and development centers.

In fiscal year 2014, we expect to break ground on a new building for our corporate headquarters campus in Santa Clara to provide for our near-term growth needs. This 500,000 square foot building will provide 2,500 seats and be built on land we purchased five years ago.

We believe that we currently have sufficient facilities to conduct our operations for the next twelve months, although we expect to lease additional facilities throughout the world as our business requires. For additional information regarding obligations under leases, see Note 13 of the Notes to the Consolidated Financial Statements in Part IV, Item 15 of this Annual Report on Form 10-K under the subheading "Lease Obligations," which information is hereby incorporated by reference.

### ITEM 3. LEGAL PROCEEDINGS

3dfx

On December 15, 2000, NVIDIA and one of our indirect subsidiaries entered into an Asset Purchase Agreement, or APA, to purchase certain graphics chip assets from 3dfx. The transaction closed on April 18, 2001. That acquisition, and 3dfx's October 2002 bankruptcy filing, led to four lawsuits against NVIDIA: two brought by 3dfx's former landlords, one by 3dfx's bankruptcy trustee and the fourth by a committee of 3dfx's equity security holders in the bankruptcy estate. The two landlord cases have been settled with payments from the landlords to NVIDIA, and the equity security holders lawsuit was dismissed with prejudice and no appeal was filed. Accordingly, only the bankruptcy trustee suit remains outstanding as more fully explained below.

In March 2003, the Trustee appointed by the Bankruptcy Court to represent 3dfx's bankruptcy estate served a complaint on NVIDIA asserting claims for, among other things, successor liability and fraudulent transfer and seeking

additional payments from us. The Trustee's fraudulent transfer theory alleged that NVIDIA had failed to pay reasonably equivalent value for 3dfx's assets, and sought recovery of the difference between the \$70.0 million paid and the alleged fair value, which the Trustee estimated to exceed \$50.0 million. The Trustee's successor liability theory alleged NVIDIA was effectively 3dfx's legal successor and therefore was responsible for all of 3dfx's unpaid liabilities.

On October 13, 2005, the Bankruptcy Court heard the Trustee's motion for summary adjudication, and on December 23, 2005, denied that motion in all material respects and held that NVIDIA may not dispute that the value of the 3dfx transaction was less than \$108.0 million. The Bankruptcy Court denied the Trustee's request to find that the value of the 3dfx assets conveyed to NVIDIA was at least \$108.0 million.

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In early November 2005, after several months of mediation, NVIDIA and the Official Committee of Unsecured Creditors, or the Creditors' Committee, agreed to a Plan of Liquidation of 3dfx, which included a conditional settlement of the Trustee's claims against us. This conditional settlement was subject to a confirmation process through a vote of creditors and the review and approval of the Bankruptcy Court. The conditional settlement called for a payment by NVIDIA of approximately \$30.6 million to the 3dfx estate. Under the settlement, \$5.6 million related to various administrative expenses and Trustee fees, and \$25.0 million related to the satisfaction of debts and liabilities owed to the general unsecured creditors of 3dfx. Accordingly, during the three month period ended October 30, 2005, we recorded \$5.6 million as a charge to settlement costs and \$25.0 million as additional purchase price for 3dfx. The Trustee advised that he intended to object to the settlement. The conditional settlement never progressed substantially through the confirmation process.

On December 21, 2006, the Bankruptcy Court scheduled a trial for one portion of the Trustee's case against NVIDIA. On January 2, 2007, NVIDIA terminated the settlement agreement on grounds that the Bankruptcy Court had failed to proceed toward confirmation of the Creditors' Committee's plan. A non-jury trial began on March 21, 2007 on valuation issues in the Trustee's constructive fraudulent transfer claims against NVIDIA. Specifically, the Bankruptcy Court tried four questions: (1) what did 3dfx transfer to NVIDIA in the APA; (2) of what was transferred, what qualifies as "property" subject to the Bankruptcy Court's avoidance powers under the Uniform Fraudulent Transfer Act and relevant bankruptcy code provisions; (3) what is the fair market value of the "property" identified in answer to question (2); and (4) was the \$70.0 million that NVIDIA paid "reasonably equivalent" to the fair market value of that property. The parties completed post-trial briefing on May 25, 2007.

On April 30, 2008, the Bankruptcy Court issued its Memorandum Decision After Trial, in which it provided a detailed summary of the trial proceedings and the parties' contentions and evidence and concluded that "the creditors of 3dfx were not injured by the Transaction." This decision did not entirely dispose of the Trustee's action, however, as the Trustee's claims for successor liability and intentional fraudulent conveyance were still pending. On June 19, 2008, NVIDIA filed a motion for summary judgment to convert the Memorandum Decision After Trial to a final judgment. That motion was granted in its entirety and judgment was entered in NVIDIA's favor on September 11, 2008. The Trustee filed a Notice of Appeal from that judgment on September 22, 2008, and on September 25, 2008, NVIDIA exercised its election to have the appeal heard by the United States District Court.

The District Court's hearing on the Trustee's appeal was held on June 10, 2009. On December 20, 2010, the District Court issued an Order affirming the Bankruptcy Court's entry of summary judgment in NVIDIA's favor. On January 19, 2011, the Trustee filed a Notice of Appeal to the United States Court of Appeals for the Ninth Circuit. The appeal is currently pending.

While the conditional settlement reached in November 2005 never progressed through the confirmation process, the Trustee's case still remains pending on appeal. Accordingly, we have not reversed the accrual of \$30.6 million - \$5.6 million as a charge to settlement costs and \$25.0 million as additional purchase price for 3dfx - that we recorded during the three months ended October 30, 2005, pending resolution of the appeal of the Trustee's case.

#### Product Defect Litigation and Securities Cases

##### Product Defect Litigation

In September, October and November 2008, several putative consumer class action lawsuits were filed against us, asserting various claims arising from a weak die/package material set in certain versions of our previous generation products used in notebook configurations. On February 26, 2009, the various lawsuits were consolidated in the United States District Court for the Northern District of California, San Jose Division, under the caption "The NVIDIA GPU Litigation." On March 2, 2009, several of the parties filed motions for appointment of lead counsel and briefs addressing certain related issues. On April 10, 2009, the District Court appointed Milberg LLP lead counsel. On May 6, 2009, the plaintiffs filed an Amended Consolidated Complaint, alleging claims for violations of California Business and Professions Code Section 17200, Breach of Implied Warranty under California Civil Code Section 1792, Breach of the Implied Warranty of Merchantability under the laws of 27 other states, Breach of Warranty under the Magnuson-Moss Warranty Act, Unjust Enrichment, violations of the New Jersey Consumer Fraud Act, Strict Liability and Negligence, and violation of California's Consumer Legal Remedies Act.

After extensive motion practice and litigation, plaintiffs on December 14, 2009 filed a Second Amended Consolidated Complaint seeking unspecified damages and asserting claims for violations of California Business and Professions Code Section 17200, Breach of Implied Warranty under California Civil Code Section 1792, Breach of Warranty under the Magnuson-Moss Warranty Act, violations of the New Jersey Consumer Fraud Act, Strict Liability and Negligence, and violation of California's Consumer Legal Remedies Act.



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On July 16, 2010, the parties filed a stipulation with the District Court advising that, following mediation they had reached a settlement in principle in The NVIDIA GPU Litigation. The settlement in principle was subject to certain approvals, including final approval by the court. As a result of the settlement in principle, and the other estimated settlement, and offsetting insurance reimbursements, NVIDIA recorded a net charge of \$12.7 million to sales, general and administrative expense during the second quarter of fiscal year 2011. In addition, a portion of the \$181.2 million of additional charges we recorded against cost of revenue related to the weak die/package set during the second quarter of fiscal year 2011, relates to estimated additional repair and replacement costs related to the implementation of these settlements. On August 12, 2010, the parties executed a Stipulation and Agreement of Settlement and Release. On September 15, 2010, the Court issued an order granting preliminary approval of the settlement and providing for notice to the potential class members. The Final Approval Hearing was held on December 20, 2010, and on that same day the Court approved the settlement and entered Final Judgment over several objections. In January 2011, several objectors filed Notices of Appeal of the Final Judgment to the United States Court of Appeals for the Ninth Circuit. The appeal is currently pending.

On July 22, 2011, a putative class action titled *Granfield v. NVIDIA Corp.* was filed in federal court in Massachusetts asserting claims for breach of implied warranties arising out of the weak die/package material set, on behalf of a class of consumers alleged to not be covered by the settlement approved by the California court in The NVIDIA GPU Litigation. On November 3, 2011 the action was transferred to the Northern District of California, San Francisco Division, based upon stipulation of the parties. On December 30, 2011, Plaintiff filed a First Amended Complaint asserting claims for violation of California Consumers Legal Remedies Act and Unfair Competition Law. On March 19, 2012, Plaintiff filed a Second Amended Complaint asserting claims for California Consumers Legal Remedies Act and Unfair Competition Law violations, Breach of Implied Warranty, and violations of the Massachusetts consumer protection statutes. NVIDIA filed a motion to dismiss the Second Amended Complaint on April 12, 2012.

On July 12, 2012, the District Court dismissed six of the seven asserted causes of action with prejudice, allowing only one cause of action for violation of the Massachusetts consumer protection statute to continue, and instructed Plaintiff to file an amended complaint consistent with its Order. On August 15, 2012, Plaintiff indicated that he would not be filing an amended complaint. The *Granfield* case is now over.

#### Securities Cases

In September 2008, three putative securities class actions, or the Actions, were filed in the United States District Court for the Northern District of California arising out of our announcements on July 2, 2008, that we would take a charge against cost of revenue to cover anticipated costs and expenses arising from a weak die/package material set in certain versions of our previous generation MCP and GPU products and that we were revising financial guidance for our second quarter of fiscal year 2009. The Actions purport to be brought on behalf of purchasers of NVIDIA stock and assert claims for violations of Sections 10(b) and 20(a) of the Securities Exchange Act of 1934, as amended, or the Securities Exchange Act. On October 30, 2008, the Actions were consolidated under the caption *In re NVIDIA Corporation Securities Litigation*, Civil Action No. 08-CV-04260-JW (HRL). Lead Plaintiffs and Lead Plaintiffs' Counsel were appointed on December 23, 2008. On February 6, 2009, co-Lead Plaintiff filed a Writ of Mandamus with the Ninth Circuit Court of Appeals challenging the designation of co-Lead Plaintiffs' Counsel. On February 19, 2009, co-Lead Plaintiff filed with the District Court, a motion to stay the District Court proceedings pending resolution of the Writ of Mandamus by the Ninth Circuit. On February 24, 2009, Judge Ware granted the stay. On November 5, 2009, the Court of Appeals issued an opinion reversing the District Court's appointment of one of the lead plaintiffs' counsel, and remanding the matter for further proceedings. On December 8, 2009, the District Court appointed Milberg LLP and Kahn Swick & Foti, LLC as co-lead counsel.

On January 22, 2010, Plaintiffs filed a Consolidated Amended Class Action Complaint for Violations of the Federal Securities Laws, asserting claims for violations of Section 10(b), Rule 10b-5, and Section 20(a) of the Securities Exchange Act. The consolidated complaint sought unspecified compensatory damages. We filed a motion to dismiss the consolidated complaint in March 2010 and a hearing was held on June 24, 2010 before Judge Seeborg. On October 19, 2010, Judge Seeborg granted our motion to dismiss with leave to amend. On December 2, 2010, co-Lead Plaintiffs filed a Second Consolidated Amended Complaint. We moved to dismiss the Second Consolidated Amended Complaint on February 14, 2011. Following oral argument, on October 12, 2011, Judge Seeborg granted our motion

to dismiss without leave to amend, and on November 8, 2011, Plaintiffs filed a Notice of Appeal to the Ninth Circuit. The appeal has been fully briefed, but the Ninth Circuit has not yet set a hearing date.

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Accounting for Loss Contingencies

While there can be no assurance of favorable outcomes, we believe the claims made by other parties in the above ongoing matters are without merit and we intend to vigorously defend the actions. With the exception of the 3dfx and product defect litigation cases, we have not recorded any accrual for contingent liabilities associated with the legal proceedings described above based on our belief that liabilities, while possible, are not probable. Further, any possible range of loss in these matters cannot be reasonably estimated at this time. We are engaged in other legal actions not described above arising in the ordinary course of its business and, while there can be no assurance of favorable outcomes, we believe that the ultimate outcome of these actions will not have a material adverse effect on our operating results, liquidity or financial position.

ITEM 4. MINE SAFETY DISCLOSURES

Not Applicable.

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## PART II

## ITEM 5. MARKET FOR REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES

Our common stock is traded on the NASDAQ Global Select Market under the symbol NVDA. Public trading of our common stock began on January 22, 1999. Prior to that, there was no public market for our common stock. As of March 8, 2013, we had approximately 399 registered stockholders, not including those shares held in street or nominee name. The following table sets forth for the periods indicated the high and low sales price for our common stock as quoted on the NASDAQ Global Select Market:

	High	Low
Fiscal year ending January 26, 2014		
First Quarter (through March 8, 2013)	\$13.00	\$12.05
Fiscal year ended January 27, 2013		
Fourth Quarter	\$13.19	\$11.15
Third Quarter	\$15.22	\$11.83
Second Quarter	\$13.90	\$11.63
First Quarter	\$16.90	\$12.75
Fiscal year ended January 29, 2012		
Fourth Quarter	\$16.05	\$13.11
Third Quarter	\$16.10	\$11.47
Second Quarter	\$20.52	\$13.59
First Quarter	\$26.17	\$16.83

## Dividend Policy

Prior to fiscal year 2013, we had never declared or paid any dividend on shares of our common stock. On November 8, 2012, we announced the initiation of a quarterly cash dividend program. This quarterly dividend of \$0.075 per share is equivalent to \$0.30 per share on an annual basis. The initial cash dividend was paid on December 14, 2012 to all common stockholders of record at the close of business on November 23, 2012. A subsequent cash dividend of \$0.075 per share was declared on February 13, 2013, payable on March 21, 2013 to all common stockholders of record at the close of business on February 28, 2013. In fiscal year 2013, we paid \$46.9 million in dividends to our common stockholders.

Our cash dividend program and the payment of future cash dividends under that program are subject to continued capital availability and our Board of Directors' continuing determination that the dividend program and the declaration of dividends thereunder are in the best interests of our stockholders and are in compliance with all laws and agreements of NVIDIA applicable to the declaration and payment of cash dividends.

## Issuer Purchases of Equity Securities

In fiscal year 2007, our Board of Directors authorized us, subject to certain specifications, to repurchase shares of our common stock up to an aggregate maximum amount of \$2.7 billion through May 2013. In October 2012, the Board extended the program through December 2014. The repurchases will be made from time to time in the open market, in privately negotiated transactions, or in structured stock repurchase programs, and may be made in one or more larger repurchases, in compliance with Rule 10b-18 of the Exchange Act, subject to market conditions, applicable legal requirements, and other factors. The program does not obligate NVIDIA to acquire any particular amount of common

stock and the program may be suspended at any time at our discretion. As part of our share repurchase program, we have entered into, and we may continue to enter into, structured share repurchase transactions with financial institutions. These agreements generally require that we make an up-front payment in exchange for the right to receive a fixed number of shares of our common stock upon execution of the agreement, and a potential incremental number of shares of our common stock, within a pre-determined range, at the end of the term of the agreement.

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The following table presents details of our share repurchase transactions during the three months ended January 27, 2013 (in millions, except per share amounts):

Period	Total Number of Shares Purchased	Average Price Paid per Share (1)	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs	Approximate Dollar Value of Shares that May Yet Be Purchased Under the Plans or Programs
October 29, 2012 - November 25, 2012	—	—	—	\$1,235.7
November 26, 2012 - December 23, 2012	7.3	\$13.69	7.3	\$1,135.7
December 24, 2012 - January 27, 2013	1.1	—	1.1	\$1,135.7
Total	8.4		8.4	

(1) During November 2012, we entered into an accelerated share repurchase agreement, or an ASR, with an investment bank, under which we prepaid \$100.0 million to purchase shares of our common stock. The aggregate number of shares ultimately purchased was determined based on the volume weighted-average share price, minus a discount, of our common stock over a specified period of time. By November 29, 2012, the investment bank delivered 7.3 million minimum shares. The contract was settled on January 24, 2013, and we received an additional 1.1 million shares at that time. The total number of shares repurchased under this ASR was 8.4 million shares at a weighted-average price of \$11.90 per share.

Through January 27, 2013, we have repurchased an aggregate of 99.3 million shares under our stock repurchase program for a total cost of \$1.56 billion. As of January 27, 2013, we are authorized, subject to certain specifications, to repurchase shares of our common stock up to \$1.14 billion through December 2014.

In addition to our Board authorized stock repurchases, we withhold common stock shares associated with net share settlements to cover tax withholding obligations upon the vesting of restricted stock unit, or RSU, awards under our equity incentive program. During the fiscal year 2013, we withheld approximately 1.8 million shares at a total cost of \$25.8 million through net share settlements. Please refer to Note 2 of the Notes to the Consolidated Financial Statements in Part IV, Item 15 of this Form 10-K for further discussion regarding our equity incentive plans.

#### Stock Performance Graphs

The following graph compares the cumulative total stockholder return for our common stock, the S&P 500 Index and the S&P Semiconductors Index for the five years ended January 27, 2013. The graph assumes that \$100 was invested on January 27, 2008 in our common stock or on January 31, 2008 in each of the S&P 500 Index and the S & P Semiconductors Index. Total return assumes reinvestment of dividends in each of the indices indicated. Our results are calculated on fiscal year-end basis and each of the S&P 500 Index and the S&P Semiconductors Index are calculated on month-end basis. Total return is based on historical results and is not intended to indicate future performance.

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	1/27/2008	1/25/2009	1/31/2010	1/30/2011	1/29/2012	1/27/2013
NVIDIA Corporation	\$ 100.00	\$ 30.90	\$ 61.68	\$ 95.23	\$ 59.76	\$ 50.06
S&P 500	\$ 100.00	\$ 61.37	\$ 81.71	\$ 99.84	\$ 104.05	\$ 121.51
S&P Semiconductors	\$ 100.00	\$ 59.94	\$ 94.10	\$ 122.80	\$ 130.57	\$ 117.43

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The following graph compares the cumulative total stockholder return for our common stock, the S&P 500 Index and the S&P Semiconductors Index for the ten years ended January 27, 2013. The graph assumes that \$100 was invested on January 26, 2003 in our common stock or on January 31, 2003 in each of the S&P 500 Index and the S&P Semiconductors Index. Total return assumes reinvestment of dividends in each of the indices indicated. Our results are calculated on fiscal year-end basis and each of the S&P 500 Index and the S&P Semiconductors Index are calculated on month-end basis. Total return is based on historical results and is not intended to indicate future performance.

	1/26/2003	3/25/2004	4/30/2005	5/29/2006	6/28/2007	7/27/2008	8/25/2009	9/31/2010	10/30/2011	11/29/2012	12/27/2013
NVIDIA Corporation	\$ 100.00	\$ 227.04	\$ 224.98	\$ 454.77	\$ 618.88	\$ 735.99	\$ 227.43	\$ 453.98	\$ 700.88	\$ 439.82	\$ 368.47
S&P 500	\$ 100.00	\$ 134.57	\$ 142.96	\$ 157.79	\$ 180.70	\$ 176.52	\$ 108.34	\$ 144.23	\$ 176.23	\$ 183.67	\$ 214.49
S&P Semiconductors	\$ 100.00	\$ 199.05	\$ 149.60	\$ 172.97	\$ 162.86	\$ 151.77	\$ 90.98	\$ 142.82	\$ 186.38	\$ 198.18	\$ 178.22



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## ITEM 6. SELECTED FINANCIAL DATA

The following selected financial data should be read in conjunction with our financial statements and the notes thereto, and with Item 7, "Management's Discussion and Analysis of Financial Condition and Results of Operations." The consolidated statements of operations data for the fiscal years ended January 27, 2013, January 29, 2012 and January 30, 2011 and the consolidated balance sheet data as of January 27, 2013 and January 29, 2012 have been derived from and should be read in conjunction with our audited consolidated financial statements and the notes thereto included in Part IV, Item 15 in this Annual Report on Form 10-K. We operate on a 52- or 53-week year, ending on the last Sunday in January. Fiscal years 2013, 2012, 2011 and 2009 were 52-week years, while fiscal year 2010 was a 53-week year.

	Year Ended				
	January 27, 2013 (A)	January 29, 2012	January 30, 2011 (B,C)	January 31, 2010 (B,D)	January 25, 2009 (B,E)
(In thousands, except per share data)					
Consolidated Statement of Operations Data:					
Revenue	\$4,280,159	\$3,997,930	\$3,543,309	\$3,326,445	\$3,424,859
Income (loss) from operations	\$648,239	\$648,299	\$255,747	\$(98,945)	\$(70,700)
Net income (loss)	\$562,536	\$581,090	\$253,146	\$(67,987)	\$(30,041)
Basic net income (loss) per share	\$0.91	\$0.96	\$0.44	\$(0.12)	\$(0.05)
Diluted net income (loss) per share	\$0.90	\$0.94	\$0.43	\$(0.12)	\$(0.05)
Shares used in basic per share computation	619,324	603,646	575,177	549,574	548,126
Shares used in diluted per share computation	624,957	616,371	588,684	549,574	548,126

	Year Ended				
	January 27, 2013 (F)	January 29, 2012 (G)	January 30, 2011	January 31, 2010	January 25, 2009
(In thousands, except per share data)					
Consolidated Balance Sheet Data:					
Cash, cash equivalents and marketable securities	\$3,727,883	\$3,129,576	\$2,490,563	\$1,728,227	\$1,255,390
Total assets	\$6,412,245	\$5,552,928	\$4,495,246	\$3,585,918	\$3,350,727
Capital lease obligations, less current portion	\$18,998	\$21,439	\$23,389	\$24,450	\$25,634
Total stockholders' equity	\$4,827,703	\$4,145,724	\$3,181,462	\$2,665,140	\$2,394,652
Cash dividends declared and paid per common share	\$0.075	\$—	\$—	\$—	\$—

Fiscal year 2013 includes \$20.1 million as the net present value of a \$25 million charitable contribution pledged (A) on June 12, 2012 to Stanford Hospital and Clinic, payable over a ten year period, which reduced income from operations.

We recorded a net warranty charge of \$193.9 million, \$94.0 million and \$188.0 million, during fiscal years 2011, 2010 and 2009, respectively, which reduced income from operations to cover anticipated customer warranty, (B) repair, return, replacement and other costs arising from a weak die/package material set used in certain versions of our previous generation MCP and GPU products shipped after July 2008 and used in notebook configurations.

On January 10, 2011, we entered into a six-year cross licensing agreement with Intel and also mutually agreed to (C) settle all outstanding legal disputes. For accounting purposes, the fair valued benefit prescribed to the settlement portion was \$57.0 million, which was recorded within income from operations in fiscal year 2011.



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Fiscal year 2010 includes impact of charge for a tender offer to purchase an aggregate of 28.5 million outstanding stock options for a total cash payment of \$78.1 million. As a result of the tender offer, we incurred a charge of (D) \$140.2 million, consisting of the remaining unamortized stock-based compensation expenses associated with the unvested portion of the options tendered in the offer, stock-based compensation expense resulting from amounts paid in excess of the fair value of the underlying options, plus associated payroll taxes and professional fees.

Fiscal year 2009 includes \$18.9 million for a non-recurring charge resulting from the termination of a development (E) contract related to a new campus construction project we had put on hold and \$8.0 million for restructuring charges.

(F) On November 8, 2012, we initiated a quarterly dividend payment and announced our initial quarterly dividend of 7.5 cents per share, or 30 cents on an annual basis.

(G) On June 10, 2011, we completed the acquisition of Icera, Inc. for total cash consideration of \$352.2 million, and recorded goodwill of \$271.2 million.

## ITEM 7. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

The following discussion and analysis of our financial condition and results of operations should be read in conjunction with "Item 1A. Risk Factors", "Item 6. Selected Financial Data", our Consolidated Financial Statements and related Notes thereto, as well as other cautionary statements and risks described elsewhere in this Annual Report on Form 10-K, before deciding to purchase, hold or sell shares of our common stock.

### Overview

### Our Company

NVIDIA is a visual computing company, connecting people through the powerful medium of computer graphics. In a world increasingly filled with visual displays, our graphics technologies let our customers interact with the world of digital ideas, information and entertainment with an efficiency that no other communication medium can provide. Visualization transcends cultural and language boundaries and enhances the quality of life whether the setting is work or pleasure and the task is mission critical or for entertainment.

We have long been known to millions around the world for creating the graphics chips used in PCs that bring video games to life. With our invention of the GPU, we introduced the world to the power of programmable shading, which defines modern computer graphics. Today, we reach well beyond PC graphics and games. Our energy-efficient processors are at the heart of products ranging from mobile devices to supercomputers. PC gamers choose our GPUs by name to enjoy immersive fantasy worlds. Our Tegra processors power smartphones, tablets and automobile infotainment systems. Professional designers use our GPUs to create visual effects in movies and design everything from audio headsets to commercial aircraft. And supercomputers take advantage of the massively parallel processing capabilities of our GPUs to accelerate a wide range of important applications, from simulations of viruses at the molecular level, to modern weather forecasting and global oil exploration.

NVIDIA's research and development in visual computing has yielded more than 5,000 patents granted or pending worldwide, and including ones covering inventions essential to modern computing.

Our businesses are based on two important technologies: the GPU and the Tegra processor. GPUs, each with billions of transistors, are the engine of visual computing and among the world's most complex processors. We have GPU product brands designed for specific users and applications: GeForce for gamers; Quadro for designers; Tesla for

researchers; and GRID VGX for cloud-based server graphics modules. We recently announced the NVIDIA GRID visual computing appliance, a fully integrated system with GRID VGX graphics modules that run NVIDIA's proprietary system software. GRID is a first-of-its-kind device, designed to serve graphics-intensive applications from the cloud simultaneously to a large number of concurrent users.

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The Tegra processor is a system-on-a-chip, or SOC, integrating an entire computer on a single chip. Tegra processors incorporate multi-core GPUs and CPUs together with audio, video and input/output capabilities. They can also be integrated with baseband processors for phone and data communication. Unlike power-inefficient processors built for PCs, our Tegra SOC conserves power while delivering state-of-the-art graphics and multimedia processing. Tegra runs devices like smartphones, tablets and PCs; it can also be embedded into smart devices, such as televisions, monitors, set-top boxes, gaming devices and cars. We recently announced Project SHIELD, the first Android device designed for gaming. Project SHIELD features our Tegra 4 processor, contains proprietary NVIDIA-developed software and system technologies and leverages our deep partnerships with game developers all over the world. Headquartered in Santa Clara, California, we were incorporated in California in April 1993 and reincorporated in Delaware in April 1998.

### Our Businesses

We have two primary reporting segments - the GPU business and the Tegra Processor business. During the last several years, we have operated and reported three reporting segments - the GPU business, the Professional Solutions business, and the Consumer Products business. However, during the fourth quarter of fiscal year 2013, we began reporting two segments to reflect the way we are now managing our businesses internally which is based on whether the underlying products leverage our GPU or our Tegra processor technologies. Comparative periods presented reflect this change.

Our GPU business leverages our GPU technology across multiple end markets. It now comprises four primary product lines including GeForce for desktop and notebook PCs and Macs; Quadro for professional workstations; Tesla for high-performance servers and workstations; and NVIDIA GRID for server graphics solutions. It also includes other related products, licenses and revenue supporting the GPU business, such as memory products. Our Tegra Processor business comprises product lines primarily based on our Tegra SOC and modem processor technologies. This includes Tegra for smartphones and tablets for both Android and Windows RT-based devices; automotive computers, including infotainment and navigation systems; and gaming devices such as Project SHIELD. It also includes other related products, licenses, and revenue supporting the Tegra Processor business such as Icera baseband processors and RF transceivers, embedded products, and licenses and other revenue associated with game consoles.

In addition to the two reporting segments discussed above, the "All Other" category primarily includes licensing revenue from our patent cross licensing agreement with Intel.

### Recent Developments, Future Objectives and Challenges

#### GPU Business

During fiscal year 2013, we launched our new Kepler GPU architecture across our GPU products. Kepler was initially launched in our GeForce desktop and notebook PC products in early fiscal year 2013 and gradually powered Tesla and Quadro devices during the second half of fiscal year 2013. Our Kepler products are faster, smaller and more power efficient than products based on our previous architecture.

In our Tesla product line, we introduced the K10 and K20 family of GPU accelerators based on the Kepler architecture during fiscal year 2013, making the technology behind the world's fastest supercomputer, Titan, at Oak Ridge National Laboratory available to all. We also announced that the space research organization in India was utilizing their Supercomputer for Aerospace with GPU Architecture, or SAGA, system to improve the design and analysis of new and existing satellite launch vehicles.

Additionally, we launched the GRID VGX, a first-of-its kind technology, which makes it possible to access graphics-intensive applications on a remote server from virtually any computing device, anywhere by connecting to the cloud, instead of on a local PC or workstation. With our new GRID VGX product line, we are leveraging GPUs beyond the PC into the server.

### Tegra Processor Business

During fiscal year 2013, the first Tegra 3 phone, the HTC One X, was launched. Further, Fujitsu's Arrows X, a quad-core LTE smartphone powered by Tegra 3, began shipping into Japan in the second quarter of fiscal year 2013.

During fiscal year 2013, Google launched its Nexus 7 tablet powered by our Tegra 3. Nexus was the first device to run Jelly Bean, the latest version of the Android operating system. Several Windows RT devices powered by Tegra 3 also came to market this year including the Asus VivoTab RT, IdeaPad Yoga 11 from Lenovo, and Microsoft Surface RT.

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Tegra processors began shipping in the 17-inch touchscreen and navigation system in Tesla Motors' new Model S during this year.

We also announced Project SHIELD at the 2013 Consumer Electronics Show. Project SHIELD is a unique Android gaming device. Powered by our Tegra 4 processor, it integrates a 5-inch retinal display, a console-grade game controller and the first mobile tuned-port, bass reflex speakers.

### Critical Accounting Policies and Estimates

Management's discussion and analysis of financial condition and results of operations are based upon our consolidated financial statements, which have been prepared in accordance with U.S. GAAP. The preparation of these financial statements requires us to make estimates and judgments that affect the reported amounts of assets, liabilities, revenue, cost of revenue, expenses and related disclosure of contingencies. On an on-going basis, we evaluate our estimates, including those related to revenue recognition, cash equivalents and marketable securities, accounts receivable, inventories, income taxes, goodwill, stock-based compensation, warranty liabilities, litigation, investigation and settlement costs and other contingencies. We base our estimates on historical experience and on various other assumptions that are believed to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities.

We believe the following critical accounting policies affect our significant judgments and estimates used in the preparation of our consolidated financial statements. Our management has discussed the development and selection of these critical accounting policies and estimates with the Audit Committee of our Board of Directors. The Audit Committee has reviewed our disclosures relating to our critical accounting policies and estimates in this Annual Report on Form 10-K.

### Revenue Recognition

#### Product Revenue

We recognize revenue from product sales when persuasive evidence of an arrangement exists, the product has been delivered, the price is fixed or determinable and collection of the related receivable is reasonably assured. For most sales, we use a binding purchase order and in certain cases we use a contractual agreement as evidence of an arrangement. We consider delivery to occur upon shipment provided title and risk of loss have passed to the customer. At the point of sale, we assess whether the arrangement fee is fixed or determinable and whether collection is reasonably assured. If we determine that collection of a fee is not reasonably assured, we defer the fee and recognize revenue at the time collection becomes reasonably assured, which is generally upon receipt of payment.

Our policy on sales to certain distributors, with rights of return, is to defer recognition of revenue and related cost of revenue until the distributors resell the product, as the level of returns cannot be reasonably estimated.

Our customer programs primarily involve rebates, which are designed to serve as sales incentives to resellers of our products in various target markets. We accrue for 100% of the potential rebates and do not apply a breakage factor. We recognize a liability for these rebates at the later of the date at which we record the related revenue or the date at which we offer the rebate. Rebates typically expire six months from the date of the original sale, unless we reasonably believe that the customer intends to claim the rebate. Unclaimed rebates are reversed to revenue.

Our customer programs also include marketing development funds, or MDFs. We account for MDFs as either a reduction of revenue or an operating expense, depending on the nature of the program. MDFs represent monies paid

to retailers, system builders, original equipment manufacturers, or OEMs, distributors and add-in card partners that are earmarked for market segment development and expansion and typically are designed to support our partners' activities while also promoting NVIDIA products. Depending on market conditions, we may take actions to increase amounts offered under customer programs, possibly resulting in an incremental reduction of revenue at the time such programs are offered.

We also record a reduction to revenue by establishing a sales return allowance for estimated product returns at the time revenue is recognized, based primarily on historical return rates. However, if product returns for a particular fiscal period exceed historical return rates we may determine that additional sales return allowances are required to properly reflect our estimated exposure for product returns.



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### License and Development Revenue

For license arrangements that require significant customization of our intellectual property components, we generally recognize the related revenue over the period that services are performed. For most license and service arrangements, we determine progress to completion based on actual direct labor hours incurred to date as a percentage of the estimated total direct labor hours required to complete the project. We periodically evaluate the actual status of each project to ensure that the estimates to complete each contract remain accurate. A provision for estimated losses on contracts is made in the period in which the loss becomes probable and can be reasonably estimated. Costs incurred in advance of revenue recognized are recorded as deferred costs on uncompleted contracts. If the amount billed exceeds the amount of revenue recognized, the excess amount is recorded as deferred revenue. Revenue recognized in any period is dependent on our progress toward completion of projects in progress. Significant management judgment and discretion are used to estimate total direct labor hours. Any changes in or deviations from these estimates could have a material effect on the amount of revenue we recognize in any period.

For license arrangements that do not require significant customization but where we are obligated to provide further deliverables over the term of the license agreement, we record revenue over the life of the license term, with consideration received in advance of the performance period classified as deferred revenue.

Royalty revenue is recognized related to the distribution or sale of products that use our technologies under license agreements with third parties. We recognize royalty revenue upon receipt of a confirmation of earned royalties and when collectability is reasonably assured from the applicable licensee.

### Accounts Receivable

We maintain an allowance for doubtful accounts receivable for estimated losses resulting from the inability of our customers to make required payments. Management determines this allowance, which consists of an amount identified for specific customer issues as well as an amount based on overall estimated exposure. Our accounts receivable are highly concentrated and make us vulnerable to adverse changes in our customers businesses, and to downturns in the industry and the worldwide economy. Our overall estimated exposure excludes significant amounts that are covered by credit insurance and letters of credit. If the financial condition of our customers, the financial institutions providing letters of credit, or our credit insurance carrier were to deteriorate, resulting in an impairment of their ability to make payments, additional allowances may be required that could adversely affect our operating results. Furthermore, there can be no assurance that we will be able to continue to obtain credit insurance in the future.

As of January 27, 2013, our allowance for doubtful accounts receivable was \$1.8 million and our gross accounts receivable balance was \$473.6 million. Of the \$473.6 million, \$71.1 million was covered by credit insurance and \$9.2 million was covered by letters of credit. If the financial condition of our customers were to deteriorate, resulting in an impairment of their ability to make payments, additional allowances may be required and we may have to record additional reserves or write-offs on certain sales transactions in the future. Factors impacting the allowance include the level of gross receivables, the financial condition of our customers and the extent to which balances are covered by credit insurance or letters of credit. We have incurred cumulative bad debts of \$0.8 million over the last three fiscal years. As a result of our low bad debt experience, our allowance for doubtful accounts receivable has ranged between 0.2% and 0.4% during fiscal years 2013 and 2012. As of January 27, 2013, our allowance for doubtful accounts receivable represented 0.4% of our gross accounts receivable balance.

### Inventories

Inventory cost is computed on an adjusted standard basis, which approximates actual cost on an average or first-in, first-out basis. Inventory costs consist primarily of the cost of semiconductors purchased from subcontractors,

including wafer fabrication, assembly, testing and packaging, manufacturing support costs, including labor and overhead associated with such purchases, final test yield fallout, inventory provisions and shipping costs. We write down our inventory to the lower of cost or estimated market value. Obsolete or unmarketable inventory is completely written off based upon assumptions about future demand, future product purchase commitments, estimated manufacturing yield levels and market conditions. If actual market conditions are less favorable than those projected by management, or if our current inventory or our future product purchase commitments to our suppliers exceed our forecasted future demand for such products, additional future inventory write-downs may be required that could adversely affect our operating results. Inventory reserves once established are not reversed until the related inventory has been sold or scrapped. If actual market conditions are more favorable than expected and we sell products that we have previously written down, our reported gross margin would be favorably impacted.

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As of January 27, 2013, our inventory reserve was \$118.5 million. As a percentage of our gross inventory balance, our inventory reserve has ranged between 15.0% and 30.6% during fiscal years 2013 and 2012. As of January 27, 2013, our inventory reserve represented 22.0% of our gross inventory balance.

### Warranty Liabilities

Cost of revenue includes the estimated cost of product warranties that are calculated at the point of revenue recognition. Under limited circumstances, we may offer an extended limited warranty to customers for certain products. Our products are complex and may contain defects or experience failures due to any number of issues in design, fabrication, packaging, materials and/or use within a system. If any of our products or technologies contains a defect, compatibility issue or other error, we may have to invest additional research and development efforts to find and correct the issue. Such efforts could divert our management's and engineers' attention from the development of new products and technologies and could increase our operating costs and reduce our gross margin. In addition, an error or defect in new products or releases or related software drivers after commencement of commercial shipments could result in failure to achieve market acceptance or loss of design wins. Also, we may be required to reimburse customers, including our customers' costs to repair or replace products in the field. A product recall or a significant number of product returns could be expensive, damage our reputation and could result in the shifting of business to our competitors. Costs associated with correcting defects, errors, bugs or other issues could be significant and could materially harm our financial results.

During the three fiscal years ended January 30, 2011, we recorded a cumulative net charge of \$475.9 million, most of which was charged against cost of revenue, to cover customer warranty, repair, return, replacement and other costs arising from a weak die/package material set in certain versions of our previous generation MCP and GPU products used in notebook configurations. Determining the amount of the warranty charges related to this issue required management to make estimates and judgments based on historical experience, test data and various other assumptions including estimated field failure rates that we believe to be reasonable under the circumstances. The results of these judgments formed the basis for our estimate of the total charge to cover anticipated customer warranty, repair, return and replacement and other associated costs. If the actual repair, return, replacement and other associated costs and/or actual field failure rates exceed our estimates, we may be required to record additional reserves, which would increase our cost of revenue and materially harm our financial results.

### Income Taxes

We recognize federal, state and foreign current tax liabilities or assets based on our estimate of taxes payable or refundable in the current fiscal year by tax jurisdiction. We recognize federal, state and foreign deferred tax assets or liabilities, as appropriate, for our estimate of future tax effects attributable to temporary differences and carryforwards; and we record a valuation allowance to reduce any deferred tax assets by the amount of any tax benefits that, based on available evidence and judgment, are not expected to be realized.

United States income tax has not been provided on earnings of our non-U.S. subsidiaries to the extent that such earnings are considered to be indefinitely reinvested.

Our calculation of current and deferred tax assets and liabilities is based on certain estimates and judgments and involves dealing with uncertainties in the application of complex tax laws. Our estimates of current and deferred tax assets and liabilities may change based, in part, on added certainty or finality to an anticipated outcome, changes in accounting standards or tax laws in the United States, or foreign jurisdictions where we operate, or changes in other facts or circumstances. In addition, we recognize liabilities for potential United States and foreign income tax contingencies based on our estimate of whether, and the extent to which, additional taxes may be due. If we determine that payment of these amounts is unnecessary or if the recorded tax liability is less than our current assessment, we

may be required to recognize an income tax benefit or additional income tax expense in our financial statements, accordingly.

As of January 27, 2013, we had a valuation allowance of \$224.8 million related to state and certain foreign deferred tax assets that management determined are not likely to be realized due, in part, to projections of future taxable income and potential utilization limitations of tax attributes acquired as a result of stock ownership changes. To the extent realization of the deferred tax assets becomes more-likely-than-not, we would recognize such deferred tax asset as an income tax benefit during the period.

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Our deferred tax assets do not include the excess tax benefit related to stock-based compensation that are a component of our federal and state net operating loss and research tax credit carryforwards in the amount of \$459.1 million as of January 27, 2013. Consistent with prior years, the excess tax benefit reflected in our net operating loss and research tax credit carryforwards will be accounted for as a credit to stockholders' equity, if and when realized. In determining if and when excess tax benefits have been realized, we have elected to utilize the with-and-without approach with respect to such excess tax benefits. We have also elected to ignore the indirect tax effects of stock-based compensation deductions for financial and accounting reporting purposes, and specifically to recognize the full effect of the research tax credit in income from operations.

We recognize the benefit from a tax position only if it is more-likely-than-not that the position would be sustained upon audit based solely on the technical merits of the tax position. Our policy is to include interest and penalties related to unrecognized tax benefits as a component of income tax expense. Please refer to Note 14 of the Notes to the Consolidated Financial Statements in Part IV, Item 15 of this Annual Report on Form 10-K for additional information.

## Goodwill

Goodwill is subject to our annual impairment test during the fourth quarter of our fiscal year, or earlier if indicators of potential impairment exist, using either a qualitative or a quantitative assessment. Our impairment review process compares the fair value of the reporting unit in which the goodwill resides to its carrying value. We identified four reporting units for the purposes of completing our goodwill analysis. Determining the number of reporting units and the fair value of a reporting unit requires us to make judgments and involves the use of significant estimates and assumptions. We also make judgments and assumptions in allocating assets and liabilities to each of our reporting units. We base our fair value estimates on assumptions we believe to be reasonable but that are unpredictable and inherently uncertain.

In fiscal year 2012, we early adopted an accounting standard update, commonly referred to as a step zero approach, which allows us to first assess qualitative factors to determine whether it is necessary to perform the two-step quantitative goodwill impairment test. For reporting units in which the qualitative assessment concludes it is more likely than not that the fair value is more than its carrying value, the amended guidance eliminates the requirement to perform further goodwill impairment testing. For those reporting units where a significant change or events occur, and where potential impairment indicators exist, we continue to utilize a two-step quantitative assessment to testing goodwill for impairment. The first step tests for possible impairment by applying a fair value-based test. In computing the fair value of our reporting units, we use estimates of future revenues, costs and cash flows from such units. The second step, if necessary, measures the amount of such impairment by applying fair value-based tests to individual assets and liabilities.

## Qualitative Assessment

In considering the step zero approach to testing goodwill for impairment, we perform a qualitative analysis evaluating factors including, but not limited to, macro-economic conditions, market and industry conditions, competitive environment, operational stability and the overall financial performance of the reporting units including cost factors and budgeted-to-actual revenue results.

During the fourth quarter of fiscal year 2013, we utilized a qualitative analysis for two reporting units where no significant change occurred and no potential impairment indicators arose since the previous annual evaluation of goodwill and concluded it is more likely than not that the fair value of those reporting units is more than their carrying values on a reporting unit basis.

Our next annual evaluation of the goodwill by reporting unit will be performed during the fourth quarter of fiscal year 2014. If we were to encounter challenging economic conditions, such as a decline in our operating results, an unfavorable industry or macroeconomic environment, a substantial decline in our stock price, or any other adverse change in market conditions, we may be required to perform the two-step quantitative goodwill impairment analysis. In addition, if such conditions have the effect of changing one of the critical assumptions or estimates we use to calculate the value of our goodwill, we may be required to record goodwill impairment charges in future periods, whether in connection with our next annual impairment assessment or prior to that, if any triggering event occurs outside of the quarter during which the annual goodwill impairment assessment is performed. It is not possible at this time to determine if any such future impairment charge would result or, if it does, whether such charge would be material to our results of operations.

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### Quantitative Assessment

We utilized a quantitative assessment to test goodwill impairment for two reporting units during the fourth quarter of fiscal year 2013 and concluded that there was no impairment as the fair value of our reporting units exceeded their carrying values by approximately 23% and 208%. We have considered both the income method and market method, where applicable, when determining the fair value of reporting units. Our goodwill impairment test uses a weighting primarily towards the income method to estimate the reporting unit's fair value. The income method is based on a discounted future cash flow analysis while the market method is based on financial multiples of comparable companies and applies a control premium.

Our estimates of cash flow were based upon, among other things, certain assumptions about expected future operating performance, such as revenue growth rates, operating margins, risk-adjusted discount rates, and future economic and market conditions. Our estimates of discounted cash flow may differ from actual cash flow due to, among other things, economic conditions, changes to our business model or changes in operating performance. Additionally, certain estimates of discounted cash flow involve businesses with limited financial history and developing revenue models, which increases the risk of differences between the projected and actual performance. The long-term financial forecasts that we utilize represent the best estimate that we have at this time and we believe that its underlying assumptions are reasonable. Significant differences between our estimates and actual cash flow could materially affect our future financial results, which could impact our future estimates of the fair value of our reporting unit. The market method of determining the fair value of our reporting unit requires us to use judgment in the selection of appropriate market comparables.

Any significant reductions in the actual amount of cash flows realized by our reporting unit, reductions in the value of market comparables, or reductions in our market capitalization could impact future estimates of the fair value of our reporting unit. Such events could ultimately result in a charge to our earnings in future periods due to the potential for a write-down of the goodwill associated with our reporting unit.

### Cash Equivalents and Marketable Securities

Cash equivalents consist of financial instruments which are readily convertible into cash and have original maturities of three months or less at the time of acquisition. Marketable securities consist primarily of highly liquid investments with maturities of greater than three months when purchased. We generally classify our marketable securities at the date of acquisition as available-for-sale. These securities are reported at fair value with the related unrealized gains and losses included in accumulated other comprehensive income (loss), a component of stockholder's equity, net of tax. Any unrealized losses which are considered to be other-than-temporary impairments are recorded in the other income (expense) section of our consolidated statements of operations. Realized gains (losses) on the sale of marketable securities are determined using the specific-identification method and recorded in the other income (expense) section of our consolidated statements of operations. Please refer to Note 9 of the Notes to the Consolidated Financial Statements in Part IV, Item 15 of this Annual Report on Form 10-K. We measure our cash equivalents and marketable securities at fair value. The fair values of our financial assets and liabilities are determined using quoted market prices of identical assets or quoted market prices of similar assets from active markets. Our Level 1 assets consist of our money market funds. We classify securities within Level 1 assets when the fair value is obtained from real time quotes for transactions in active exchange markets involving identical assets. Our available-for-sale securities are classified as having Level 2 inputs. Our Level 2 assets are valued utilizing a market approach where the market prices of similar assets are provided by a variety of independent industry standard data providers to our investment custodian. Most of our cash equivalents and marketable securities are valued based on Level 2 inputs. We do not have any investment classified as Level 3 as of January 27, 2013.

All of our available-for-sale investments are subject to a periodic impairment review. We record a charge to earnings when a decline in fair value is significantly below cost basis and judged to be other-than-temporary, or have other

indicators of impairments. If the fair value of an available-for-sale debt instrument is less than its amortized cost basis, an other-than-temporary impairment is triggered in circumstances where (1) we intend to sell the instrument, (2) it is more likely than not that we will be required to sell the instrument before recovery of its amortized cost basis, or (3) a credit loss exists where we do not expect to recover the entire amortized cost basis of the instrument. If we intend to sell or it is more likely than not that we will be required to sell the available-for-sale debt instrument before recovery of its amortized cost basis, we recognize an other-than-temporary impairment in earnings equal to the entire difference between the debt instruments' amortized cost basis and its fair value. For available-for-sale debt instruments that are considered other-than-temporarily impaired due to the existence of a credit loss, if we do not intend to sell and it is more likely than not that we will be required to sell the instrument before recovery of its remaining amortized cost basis (amortized cost basis less any current-period credit loss), we separate the amount of the impairment into the amount that is credit related and the amount due to all other factors. The credit loss component is recognized in earnings.



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## Stock-based Compensation

We measure stock-based compensation expense based on the estimated fair value of equity awards at the grant date, and recognize the expense using a straight-line attribution method over the requisite employee service period. We estimate the fair value of employee stock options on the date of grant using a binomial model and we use the closing trading price of our common stock on the date of grant, minus a dividend yield discount, as the fair value of awards of restricted stock units, or RSUs. We calculate the fair value of our employee stock purchase plan using the Black-Scholes model. Our stock-based compensation for employee stock purchase plan is expensed using an accelerated amortization model.

We determine the fair value of stock option awards on the date of grant using an option-pricing model that is affected by our stock price as well as assumptions regarding a number of highly complex and subjective variables. These variables include, but are not limited to, weighted average expected term, risk-free interest rate, expected stock price volatility, dividend yield, actual and projected employee stock option exercise behaviors, vesting schedules and death and disability probabilities. We also segregate options into groups of employees with relatively homogeneous exercise behavior in order to calculate the best estimate of fair value using the binomial valuation model.

The expected life of employee stock options is a derived output of our valuation model and is impacted by the underlying assumption of our company. The risk-free interest rate assumption is based upon observed interest rates on Treasury bills appropriate for the term of our employee stock options. Our management has determined that the use of implied volatility is expected to be more reflective of market conditions and, therefore, can reasonably be expected to be a better indicator of our expected volatility than historical volatility. Dividend yield is based on history and expectation of dividend payouts.

Prior to the initial declaration of a quarterly cash dividend on November 8, 2012, the fair value of our equity awards was based on an expected dividend yield of 0% reflecting our prior history in which we had not paid and did not expect to pay cash dividends on our common stock. For awards granted on or subsequent to November 8, 2012, we now use a dividend yield at grant date based on the per share dividends declared during the most recent quarter. Our RSU awards are not eligible for cash dividends prior to vesting; therefore, the fair value of RSUs is discounted by the dividend yield.

Additionally, for employee stock option and RSU awards, we estimate forfeitures annually and revise the estimates of forfeiture in subsequent periods if actual forfeitures differ from those estimates. Forfeitures are estimated based on historical experience. If factors change and we employ different assumptions in the application of accounting standards in future periods, the compensation expense that we record under these accounting standards may differ significantly from what we have recorded in the current period.

Using the binomial model, we estimated the fair value of the stock options granted under our stock option plans using the following assumptions during fiscal year 2013:

Weighted average expected life (in years)	3.1-4.9
Risk-free interest rate	1.5%-2.3%
Volatility	39%-49%
Dividend yield	2.4%

We used the Black-Scholes model to estimate the fair value of shares issued under our ESPP during fiscal year 2013, using the following assumptions:

Weighted average expected life (in years)	0.5-2.0
Risk-free interest rate	0.1%-0.3%
Volatility	44%-47%
Dividend yield	—



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## Litigation, Investigation and Settlement Costs

From time to time, we are involved in legal actions and/or investigations by regulatory bodies. We are aggressively defending our current litigation matters. However, there are many uncertainties associated with any litigation or investigations, and we cannot be certain that these actions or other third-party claims against us will be resolved without costly litigation, fines and/or substantial settlement payments. If that occurs, our business, financial condition and results of operations could be materially and adversely affected. If information becomes available that causes us to determine that a loss in any of our pending litigation, investigations or settlements is probable, and we can reasonably estimate the loss associated with such events, we will record the loss in accordance with U.S. GAAP. However, the actual liability in any such litigation or investigation may be materially different from our estimates, which could require us to record additional costs.

## Results of Operations

The following table sets forth, for the periods indicated, certain items in our consolidated statements of operations expressed as a percentage of revenue.

	Year Ended			
	January 27, 2013	January 29, 2012	January 30, 2011	
Revenue	100.0	% 100.0	% 100.0	%
Cost of revenue	48.0	48.6	60.2	
Gross profit	52.0	51.4	39.8	
Operating expenses:				
Research and development	26.8	25.1	24.0	
Sales, general and administrative	10.1	10.1	10.2	
Legal settlement	—	—	(1.6	)
Total operating expenses	36.9	35.2	32.6	
Income from operations	15.1	16.2	7.2	
Interest and other income, net	0.3	0.4	0.4	
Income before income taxes	15.4	16.6	7.6	
Income tax expense	2.3	2.1	0.5	
Net income	13.1	% 14.5	% 7.1	%

Fiscal Years Ended January 27, 2013, January 29, 2012 and January 30, 2011

## Revenue

## Fiscal Year 2013 vs. Fiscal Year 2012

Revenue was \$4.28 billion for fiscal year 2013 and \$4.00 billion for fiscal year 2012, an increase of 7.1%. A discussion of our revenue results for each of our reporting segments and the other category is as follows:

**GPU Business.** GPU business revenue increased by 2.0% to \$3,251.7 million for fiscal year 2013 when compared to \$3,186.8 million for fiscal year 2012. This growth was largely attributable to the introduction of GPUs based on our Kepler architecture in fiscal year 2013. GeForce notebook revenues increased on the strength of Kepler-based design wins on the Ivy Bridge platform. Strong demand for Kepler-based GeForce desktop GPU products also contributed to the increase in GPU business revenues. The GPU business also benefited from a greater than 36.0% increase in Tesla revenue in fiscal 2013. Offsetting these increases were a decrease in Quadro revenue, which we believe was due

primarily to general weakness in Western Europe, and a continued decline in sales of our MCP products as we continued to phase out our chipset product line.

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**Tegra Processor Business.** Tegra Processor business revenue increased by 29.3% to \$764.4 million for fiscal year 2013 as compared to \$591.2 million for fiscal year 2012. This increase was primarily due to higher sales of our Tegra 3-based smartphones and tablet devices as we transitioned from the previous generation Tegra 2-based products and introduced our Tegra-3 based processors in Windows RT-based tablet devices. Additionally, revenues for our embedded products for entertainment and automotive devices also increased during fiscal year 2013. Offsetting these increases was a decrease in revenue from license fees and other revenue related to game consoles.

**All Other.** The increase in revenue is also due to revenue from the patent cross licensing arrangement we entered into with Intel in January 2011. We recognized \$264.0 million in related licensing revenue during the entire twelve months of fiscal year 2013, while fiscal year 2012 only included \$220.0 million in related revenue - reflecting only ten months of the corresponding revenue.

## Fiscal Year 2012 vs. Fiscal Year 2011

Revenue was \$4.00 billion for fiscal year 2012 and \$3.54 billion for fiscal year 2011, an increase of 12.8%. A discussion of our revenue results for each of our reporting segments and the other category is as follows:

**GPU Business.** GPU business revenue decreased by 4.8% to \$3,186.8 million for fiscal year 2012 when compared to \$3,345.7 million for fiscal year 2011. The decrease was primarily attributable to a decline in sales of MCP products as we continued to phase out our chipset product line. Memory sales also decreased due to lower sales volume as decreases in market price for memory made it attractive for add-in card manufacturers to buy memory directly from the market rather than from us. Additionally, our Tesla product revenues decreased from the prior year primarily due to lower sales volume. Offsetting these decreases were increases in GeForce desktop and notebook revenues from continued market penetration of our Fermi architecture-based GPUs. Strength of our Fermi architecture and resultant design wins on the Sandy Bridge platform contributed to the increase in GeForce notebook revenues. Quadro revenues improved slightly as the average selling price, or ASP, for workstation products improved due to the recovery of corporate spending following the economic recession that began during fiscal year 2009.

**Tegra Processor Business.** Tegra Processor business revenue increased by 199.2% to \$591.2 million for fiscal year 2012 as compared to \$197.6 million for fiscal year 2011. This increase in revenue was primarily driven by sales growth from the acceleration of our Tegra 2 smartphone and tablet products in the mobile market and in embedded product revenues primarily related to the entertainment markets. Revenue from development arrangements and license fees related to game consoles remained stable in fiscal year 2012 when compared to fiscal year 2011.

**All Other.** Revenue increased primarily due to the recognition of \$220.0 million of licensing revenue in fiscal year 2012 from the patent cross licensing arrangement with Intel that we entered into in January 2011 and began recognizing in April 2011.

## Concentration of Revenue

We generated 74%, 78% and 83% of our total revenue for fiscal years 2013, 2012 and 2011, respectively, from sales to customers outside the United States and other Americas. Revenue by geographic region is allocated to individual countries based on the location to which the products are initially billed even if the foreign contract equipment manufacturers, add-in board and motherboard manufacturers' revenue is attributable to end customers in a different location.

Revenue from significant customers, those representing 10% or more of total revenue for the respective dates, is summarized as follows:

Year Ended

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	January 27, 2013	January 29, 2012	January 30, 2011	
Revenue:				
Customer A	13	% 11	% —	
Customer B	—	—	12	%

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### Gross Profit and Gross Margin

Gross profit consists of total revenue, net of allowances, less cost of revenue. Cost of revenue consists primarily of the cost of semiconductors purchased from subcontractors, including wafer fabrication, assembly, testing and packaging, manufacturing support costs, including labor and overhead associated with such purchases, final test yield fallout, inventory and warranty provisions and shipping costs. Cost of revenue also includes development costs for license, service arrangements and stock-based compensation related to personnel associated with manufacturing.

Gross margin is the percentage of gross profit to revenue. Our gross margin was 52.0%, 51.4% and 39.8% for fiscal years 2013, 2012 and 2011, respectively. Our gross margin is significantly impacted by the mix of products we sell and can vary in any period depending on that product mix.

Our strategy for improving our gross margin relies upon delivering competitive product offerings that allow us to maintain our market leadership position and expand our addressable markets, lowering our product costs by introducing product architectures that take advantage of smaller process geometries and improving our product mix. However, we may experience difficulties in the transition to new manufacturing processes. We expect gross margin for the first quarter of fiscal year 2014 to stay flat relative to the fourth quarter of fiscal year 2013.

A discussion of our gross margin results for each of our reporting segments is as follows:

#### Fiscal Year 2013 vs. Fiscal Year 2012

Our gross margin increased to 52.0% in fiscal year 2013 from 51.4% in fiscal year 2012. The improvement in gross margin was driven primarily by increased unit sales and a richer product mix of our high-end GeForce desktop products, plus Tesla and Quadro products. The addition of a full year of revenue from the patent cross licensing arrangement with Intel compared to ten months of such corresponding revenue in fiscal year 2012 also contributed to the improvement in gross margin. Offsetting these were the unfavorable impact of higher net provisions for inventory in fiscal year 2013 when compared to fiscal year 2012.

Our gross margin is favorably impacted by sales of products that were previously written down. Sales of such items improved gross margin by approximately 1.3% and 1.8% in fiscal years 2013 and 2012, respectively. Conversely, our gross margin is unfavorably impacted by provisions for new inventory reserves. The overall net effect on our gross margin from inventory reserves and sales of items previously written down was a 0.8% unfavorable impact in fiscal year 2013 and a 0.5% favorable impact in fiscal year 2012.

**GPU Business.** The gross margin of our GPU business increased during fiscal year 2013 when compared to fiscal year 2012. This was primarily due to a richer product mix of our Kepler-based high-end 28 nanometer GeForce desktop products and our Quadro products. Memory margins strengthened on improved market pricing. These favorable contributors to gross margin were primarily offset by higher net inventory reserves in fiscal year 2013 compared to fiscal year 2012.

**Tegra Processor Business.** The gross margin of our Tegra Processor business decreased slightly during fiscal year 2013 as compared to fiscal year 2012. This decrease was the result of a change in product mix driven by a lower mix of revenue from areas such as license fees and other revenues related to game consoles, which typically have higher gross margins than our Tegra products, offset by a higher mix of revenue from sales of our Tegra products, which grew substantially during the year.

#### Fiscal Year 2012 vs. Fiscal Year 2011

Our gross margin increased to 51.4% in fiscal year 2012 from 39.8% in fiscal year 2011. The improvement in gross margin was driven primarily by revenue from the patent cross licensing arrangement with Intel, entered into in January 2011. Additionally, the increase in unit sales and a richer product mix of our GeForce desktop and notebook products and Quadro workstation products as well as manufacturing cost efficiencies and strong management of inventory also helped our gross margin improve in fiscal year 2012. Other favorable impacts to gross margin were the absence in fiscal year 2012 of a net charge to cost of revenue in the amount of \$181.2 million recorded in fiscal year 2011 related to a weak die/packing material set and lower provisions for net inventory reserves in fiscal year 2012 compared to fiscal year 2011.

Our gross margin was favorably impacted by sales of products that were previously written down and sales of such items improved gross margin by approximately 1.8% and 1.9% in fiscal years 2012 and 2011, respectively. Offsetting these releases are provisions for new inventory reserves. The net effect to gross margin from inventory reserves and sales of items previously written down was a 0.5% favorable impact in fiscal year 2012 and a 3.0% unfavorable impact in fiscal year 2011.



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**GPU Business.** The gross margin of our GPU business increased during fiscal year 2012 when compared to fiscal year 2011. This was primarily due to lower net provisions for inventory in fiscal year 2012 compared to fiscal year 2011 and additional warranty accruals arising from a weak die/packaging material set recorded in fiscal year 2011. Higher unit sales and richer product mix of our GeForce desktop and notebook products also improved gross margin for the GPU business. In addition, the gross margin for both Quadro and Tesla products remained stable during fiscal year 2012 as compared to fiscal year 2011.

**Tegra Processor Business.** The gross margin of our Tegra Processor business decreased during fiscal year 2012 as compared to fiscal year 2011. This decrease was a result of a change in product mix driven by a lower mix of license fees and other revenue related to game consoles and a higher mix of revenue from our Tegra products, which grew substantially during fiscal year 2012.

## Operating Expenses

	Year Ended				Year Ended				
	January 27, 2013 (In millions)	January 29, 2012	\$ Change	% Change	January 29, 2012 (In millions)	January 30, 2011	\$ Change	% Change	
Research and development expenses	\$1,147.3	\$1,002.6	\$144.7	14.4 %	\$1,002.6	\$848.8	\$153.8	18.1 %	
Sales, general and administrative expenses	430.8	405.6	25.2	6.2 %	405.6	361.5	44.1	12.2 %	
Legal settlement	—	—	—	—	—	(57.0 )	57.0	(100.0 )%	
Total operating expenses	\$1,578.1	\$1,408.2	\$169.9	12.1 %	\$1,408.2	\$1,153.3	\$254.9	22.1 %	
Research and development as a percentage of net revenue	26.8	% 25.1	%		25.1	% 24.0	%		
Sales, general and administrative as a percentage of net revenue	10.1	% 10.1	%		10.1	% 10.2	%		

## Research and Development

## Fiscal Year 2013 vs. Fiscal Year 2012

Research and development expenses increased by \$144.7 million, or 14.4%, year over year. This increase was primarily due to a \$99.4 million increase in compensation and benefits expense as we continue to hire engineering talent to invest in our business. Depreciation and amortization increased by \$9.8 million, driven primarily by amortization of intangible assets associated with our acquisition of Icera in fiscal year 2012, as well as purchases of additional hardware and licenses during the year. Engineering development expenses increased by \$6.8 million related to the ramp of our next-generation GPU architecture, Kepler, designed for 28nm technology and our next generation Tegra processor architecture, Tegra 4.

## Fiscal Year 2012 vs. Fiscal Year 2011

Research and development expenses increased by \$153.8 million, or 18.1%, year over year. This increase was primarily driven by investments in our efforts to build next generation energy efficient computing architectures. These efforts resulted in a \$83.7 million increase in compensation and benefits expense and a \$22.5 million increase in stock-based compensation. Development expenses increased by \$9.0 million related to the ramp of our Kepler GPU architecture, designed for 28nm technology and our Tegra 3 mobile computing architecture. Depreciation and amortization increased by \$8.8 million, driven primarily by amortization of licenses acquired during the year. Also contributing to the increase were other acquisition-related costs of \$12.4 million for compensation charges related to the retention program we established for employees from our acquisition of Icera in June 2011 and \$6.0 million of amortization expense for intangible assets associated with this acquisition.

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### Sales, General and Administrative

#### Fiscal Year 2013 vs. Fiscal Year 2012

Sales, general and administrative expenses increased by \$25.2 million, or 6.2%, year over year. This increase was primarily due to a \$21.6 million increase in compensation and benefits expense as we continue to invest in our business. Also contributing to the increase was a \$20.1 million expense for the net present value of a charitable contribution that we recorded in the second quarter of fiscal year 2013. Offsetting these increases were decreases in outside professional fees of \$10.4 million due to an overall decrease in professional services costs during fiscal year 2013 compared with fiscal year 2012 due to a general decline in litigation-related costs and the absence of services associated with acquisition activity in fiscal year 2013.

#### Fiscal Year 2012 vs. Fiscal Year 2011

Sales, general and administrative expenses increased by \$44.1 million, or 12.2%, year over year. Compensation and benefits expense increased by \$29.5 million, primarily attributable to employee personnel growth. Stock-based compensation increased by \$10.5 million primarily due to a combination of a higher outlay of equity awards as a result of the increase in employee personnel. Also contributing to the increase were \$4.4 million of transaction costs related to the acquisition of Icera, \$3.5 million for compensation charges related to the retention program we established for Icera employees and \$2.2 million of amortization expense for intangible assets associated with the Icera acquisition. Offsetting these increases were decreases in outside professional fees of \$4.0 million due to lower litigation-related costs and a decrease in depreciation and amortization of \$9.2 million due to certain software and lease-hold improvements of buildings that became fully depreciated during fiscal year 2012.

### Legal Settlement

On January 10, 2011, we entered into a six-year cross licensing agreement with Intel and also mutually agreed to settle all outstanding legal disputes. The fair valued benefit prescribed to the legal settlement portion was \$57.0 million and was recorded in the fourth quarter of fiscal year 2011.

We expect operating expenses to increase in the first quarter of fiscal year 2014, relative to the fourth quarter of fiscal year 2013, primarily due to employee-related costs, including supporting infrastructure costs related to planned hiring.

### Interest Income and Interest Expense

Interest income, net of interest expense consists of interest earned on cash, cash equivalents and marketable securities. Interest income, net of interest expense, was \$16.6 million, \$16.1 million and \$15.9 million in fiscal years 2013, 2012 and 2011, respectively. This increase was primarily due to the result of higher average cash balances offset by lower interest rates.

### Other Income and Expense

Other income and expense primarily consists of realized gains and losses on the sale of marketable securities and foreign currency translation. Other expense, net of other income was \$2.8 million, \$1.0 million and \$0.5 million in fiscal years 2013, 2012 and 2011, respectively. These changes were primarily driven by an increase in foreign currency translation losses.

### Income Taxes

We recognized income tax expense of \$99.5 million, \$82.3 million and \$18.0 million during fiscal years 2013, 2012 and 2011, respectively. Income tax expense as a percentage of income before taxes, or our annual effective tax rate, was 15.0%, 12.4%, and 6.7% in fiscal years 2013, 2012 and 2011, respectively.

Our effective tax rate on income or loss before tax for the fiscal years was lower than the United States federal statutory rate of 35% due to income or loss earned in jurisdictions, including British Virgin Islands, Hong Kong, China, Taiwan and United Kingdom, where the tax rate is lower than the United States federal statutory tax rate of 35%, favorable recognition in these fiscal years of the U.S. federal research tax credit and the expiration of statutes of limitations in certain non-U.S. jurisdictions for which we had not previously recognized related tax benefits.

We expect our effective tax rate to be approximately 16% in the first quarter of fiscal year 2014, excluding any discrete tax events that may occur, which, if realized, may increase or decrease our effective tax rate in such quarter.

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Please refer to Note 14 of the Notes to the Consolidated Financial Statements in Part IV, Item 15 of this Annual Report on Form 10-K for additional information.

## Liquidity and Capital Resources

	January 27, 2013	January 29, 2012
	(In millions)	
Cash and cash equivalents	\$732.8	\$667.9
Marketable securities	2,995.1	2,461.7
Cash, cash equivalents, and marketable securities	\$3,727.9	\$3,129.6

  

	Year Ended January 27, 2013	January 29, 2012	January 30, 2011
	(In millions)		
Net cash provided by operating activities	\$824.2	\$909.2	\$675.8
Net cash used in investing activities	\$(744.0	) \$(1,143.4	) \$(649.7
Net cash (used in) provided by financing activities	\$(15.3	) \$236.7	\$192.0

As of January 27, 2013, we had \$3.73 billion in cash, cash equivalents and marketable securities, an increase of \$598.3 million from the end of fiscal year 2012. Our portfolio of cash equivalents and marketable securities is managed on our behalf by several financial institutions which are required to follow our investment policy, which requires the purchase of top-tier investment grade securities, the diversification of asset types and includes certain limits on our portfolio duration.

## Operating activities

Operating activities generated cash of \$824.2 million, \$909.2 million and \$675.8 million during fiscal years 2013, 2012 and 2011, respectively.

Cash provided by operating activities decreased in fiscal year 2013 compared to fiscal year 2012 primarily due to a decrease in net income and unfavorable changes in operating assets and liabilities compared to fiscal year 2012. For example, accounts receivable increased primarily due to higher sales in the fourth quarter of fiscal year 2013 compared to the fourth quarter of fiscal year 2012 and inventory increased as a result of the production ramp of Kepler-based GPU products.

Cash provided by operating activities increased in fiscal year 2012 compared to fiscal year 2011 primarily due to an increase in net income and favorable changes in operating assets and liabilities compared to fiscal year 2011. For example, accounts payable increased as a result of the timing of payments to vendors and inventory decreased as a result of an increase in inventory turnover. Higher non-cash charges in earnings including stock-based compensation and depreciation and amortization also contributed to the increase in cash provided by operating activities.

## Investing activities

Investing activities have consisted primarily of purchases and sales of marketable securities, acquisition of businesses and purchases of property and equipment, which include leasehold improvements for our facilities and intangible assets. Investing activities used cash of \$744.0 million, \$1,143.4 million and \$649.7 million during fiscal years 2013, 2012 and 2011, respectively.

Cash used in investing activities for fiscal year 2013 decreased by \$399.4 million from fiscal year 2012 primarily due to the acquisition of Icera in fiscal year 2012. We used \$183.3 million towards capital expenditures in fiscal year 2013 mainly for the purchase of new research and development equipment, testing equipment to support our increased production requirements, technology licenses, software, intangible assets and leasehold improvements at our facilities in various locations.

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Cash used in investing activities for fiscal year 2012 increased by \$493.7 million from fiscal year 2011 primarily due to the acquisition of Icera in the second quarter of fiscal year 2012 and increased purchases of marketable securities during fiscal year 2012. Additionally, we used \$138.7 million towards capital expenditures in fiscal year 2012. Capital expenditures included purchase of new research and development equipment, testing equipment to support our increased production requirements, technology licenses, software, intangible assets and leasehold improvements at our facilities in various locations.

### Financing activities

Financing activities used cash of \$15.3 million during fiscal year 2013 and provided cash of \$236.7 million and \$192.0 million during fiscal years 2012 and 2011, respectively.

Cash used in financing activities in fiscal year 2013 was primarily due to our repurchase of \$100.0 million of common stock and our first-ever cash dividend payments of \$46.9 million. These uses of cash were offset by cash proceeds of \$64.9 million from common stock issued under our employee stock plans and a non-cash tax benefit of \$68.7 million related to employee stock-based compensation.

Cash provided by financing activities in fiscal year 2012 was primarily due to cash proceeds of \$195.9 million from common stock issued under our employee stock plans and a non-cash tax benefit of \$52.8 million related to employee stock-based compensation.

### Liquidity

Our primary source of liquidity is cash generated by our operations. Our investment portfolio consisted of cash and cash equivalents, commercial paper, mortgage-backed securities issued by government-sponsored enterprises, money market funds and debt securities of corporations, municipalities and the United States government and its agencies. These investments are denominated in United States dollars. As of January 27, 2013, we did not have any investments in auction-rate preferred securities.

All of the cash equivalents and marketable securities are treated as “available-for-sale”. Investments in both fixed and floating rate interest earning instruments carry a degree of interest rate risk. Fixed rate debt securities may have their market value adversely impacted due to a rise in interest rates, while floating rate securities may produce less income than expected if interest rates fall. Due in part to these factors, our future investment income may fall short of expectations due to changes in interest rates or if the decline in fair value of our publicly traded debt or equity investments is judged to be other-than-temporary. We may suffer losses in principal if we are forced to sell securities that decline in market value due to changes in interest rates. However, because any debt securities we hold are classified as “available-for-sale,” no gains or losses are realized in our statement of income due to changes in interest rates unless such securities are sold prior to maturity or unless declines in market values are determined to be other-than-temporary. These securities are reported at fair value with the related unrealized gains and losses included in accumulated other comprehensive income, a component of stockholders’ equity, net of tax.

As of January 27, 2013 and January 29, 2012, we had \$3.73 billion and \$3.13 billion, respectively, in cash, cash equivalents and marketable securities. Our investment policy requires the purchase of top-tier investment grade securities, the diversification of asset types and includes certain limits on our portfolio duration, as specified in our investment policy guidelines. These guidelines also limit the amount of credit exposure to any one issue, issuer or type of instrument. As of January 27, 2013, we were in compliance with our investment policy. As of January 27, 2013, our investments in U.S. government agencies and U.S. government sponsored enterprises represented approximately 56% of our total investment portfolio, while the financial sector accounted for approximately 19% of our total investment portfolio. All of our investments are with A/A2 or better rated securities.

We performed an impairment review of our investment portfolio as of January 27, 2013. Based on our quarterly impairment review, we concluded that our investments were appropriately valued and did not record any impairment during fiscal year 2013.

Net realized gains were \$0.5 million, \$0.4 million and \$1.5 million for fiscal years 2013, 2012 and 2011, respectively. As of January 27, 2013, we had a net unrealized gain of \$10.9 million, which was comprised of gross unrealized gains of \$11.7 million, offset by \$0.8 million of gross unrealized losses. As of January 29, 2012, we had a net unrealized gain of \$11.5 million, which was comprised of gross unrealized gains of \$12.0 million, offset by \$0.5 million of gross unrealized losses.



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Our accounts receivable are highly concentrated and make us vulnerable to adverse changes in our customers' businesses, and to downturns in the industry and the worldwide economy. Three customers accounted for approximately 40% of our accounts receivable balance at January 27, 2013. While we strive to limit our exposure to uncollectible accounts receivable using a combination of credit insurance and letters of credit, difficulties in collecting accounts receivable could materially and adversely affect our financial condition and results of operations. These difficulties are heightened during periods when economic conditions worsen. We continue to work directly with more foreign customers and it may be difficult to collect accounts receivable from them. We maintain an allowance for doubtful accounts for estimated losses resulting from the inability of our customers to make required payments. This allowance consists of an amount identified for specific customers and an amount based on overall estimated exposure. If the financial condition of our customers were to deteriorate, resulting in an impairment in their ability to make payments, additional allowances may be required, we may be required to defer revenue recognition on sales to affected customers, and we may be required to pay higher credit insurance premiums, any of which could adversely affect our operating results. In the future, we may have to record additional reserves or write-offs and/or defer revenue on certain sales transactions which could negatively impact our financial results.

Our cash balances are held in numerous locations throughout the world, including substantial amounts held outside of the United States. As of January 27, 2013, we had cash, cash equivalents and marketable securities of \$1.80 billion held within the United States and \$1.93 billion held outside of the United States. Most of the amounts held outside the United States may be repatriated to the United States but, under current law, would be subject to U.S. federal income taxes, less applicable foreign tax credits. Further, repatriation of some foreign balances may be restricted by local laws. As of January 27, 2013, we have not provided for U.S. federal and state income taxes on approximately \$1.68 billion of undistributed earnings of non-United States subsidiaries, as such earnings are considered indefinitely reinvested outside the United States. Although we have no current need to do so, if we repatriate foreign earnings for cash requirements in the United States, we would incur U.S. federal and state income tax, less applicable foreign tax credits, and reduced by the current amount of our U.S. federal and state net operating loss and tax credit carryforwards. Further, in addition to the \$1.80 billion of cash, cash equivalents and marketable securities held within the United States and available to fund our U.S. operations and any other U.S. cash needs, we have access to external sources of financing if cash is needed in the United States other than by repatriation of foreign earnings where U.S. income tax may otherwise be due. Accordingly, we do not reasonably expect any material effect on our business, as a whole, or to our financial flexibility with respect to our current cash balances held outside of the United States.

#### Patent Cross License Agreement

On January 10, 2011, we entered into a six-year patent cross licensing agreement, or the License Agreement, with Intel. Under the License Agreement, Intel has granted to NVIDIA and its qualified subsidiaries, and NVIDIA has granted to Intel and Intel's qualified subsidiaries, a non-exclusive, non-transferable, worldwide license, without the right to sublicense to all patents that are either owned or controlled by the parties at any time that have a first filing date on or before March 31, 2017, to make, have made (subject to certain limitations), use, sell, offer to sell, import and otherwise dispose of certain semiconductor- and electronic-related products anywhere in the world. NVIDIA's rights to Intel's patents have certain specified limitations, including but not limited to, NVIDIA was not granted a license to: (1) certain microprocessors, defined in the License Agreement as "Intel Processors" or "Intel Compatible Processors;" (2) certain chipsets that connect to Intel Processors; or (3) certain flash memory products. In connection with the License Agreement, NVIDIA and Intel mutually agreed to settle all outstanding legal disputes. Under the License Agreement, Intel will pay NVIDIA an aggregate amount of \$1.5 billion, payable in annual installments, as follows: a \$300 million payment on each of January 18, 2011, January 13, 2012 and January 15, 2013 and a \$200 million payment on each of January 15, 2014, 2015 and 2016. Please refer to Note 3 of the Notes to the Consolidated Financial Statements in Part IV, Item 15 of this Annual Report on Form 10-K for further information regarding this cross license and the settlement.

## Stock Repurchase Program

In fiscal year 2007, our Board of Directors authorized us, subject to certain specifications, to repurchase shares of our common stock up to an aggregate maximum amount of \$2.7 billion through May 2013. In October 2012, the Board extended the program through December 2014. The repurchases will be made from time to time in the open market, in privately negotiated transactions, or in structured stock repurchase programs, and may be made in one or more larger repurchases, in compliance with Rule 10b-18 of the Exchange Act, subject to market conditions, applicable legal requirements, and other factors. The program does not obligate NVIDIA to acquire any particular amount of common stock and the program may be suspended at any time at our discretion. As part of our share repurchase program, we have entered into, and we may continue to enter into, structured share repurchase transactions with financial institutions. These agreements generally require that we make an up-front payment in exchange for the right to receive a fixed number of shares of our common stock upon execution of the agreement, and a potential incremental number of shares of our common stock, within a pre-determined range, at the end of the term of the agreement.

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Through January 27, 2013, we have repurchased an aggregate of 99.3 million shares under our stock repurchase program for a total cost of \$1.56 billion. As of January 27, 2013, we are authorized, subject to certain specifications, to repurchase shares of our common stock up to \$1.14 billion through December 2014. Please refer to Note 2 of the Notes to the Consolidated Financial Statements in Part IV, Item 15 of this Annual Report Form 10-K for further discussion regarding our equity incentive plans.

In addition to our Board authorized stock repurchases, we withhold common stock shares associated with net share settlements to cover tax withholding obligations upon the vesting of RSU awards under our equity incentive program. During the fiscal year 2013, we withheld approximately 1.8 million shares at a total cost of \$25.8 million through net share settlements. Please refer to Note 2 of the Notes to the Consolidated Financial Statements in Part IV, Item 15 of this Annual Report on Form 10-K for further information regarding stock-based compensation related to equity awards granted under our equity incentive programs..

### Cash Dividend Program

Prior to fiscal year 2013, we had never declared or paid any dividend on shares of our common stock. On November 8, 2012, we announced the initiation of a quarterly cash dividend program. This quarterly dividend of \$0.075 per share is equivalent to \$0.30 per share on an annual basis. The initial cash dividend was paid on December 14, 2012 to all common stockholders of record at the close of business on November 23, 2012. A subsequent cash dividend of \$0.075 per share was declared on February 13, 2013, payable on March 21, 2013 to all common stockholders of record at the close of business on February 28, 2013. In fiscal year 2013, we paid \$46.9 million in dividends to our common stockholders.

Our cash dividend program and the payment of future cash dividends under that program are subject to continued capital availability and our Board of Directors' continuing determination that the dividend program and the declaration of dividends thereunder are in the best interests of our stockholders and are in compliance with all laws and agreements of NVIDIA applicable to the declaration and payment of cash dividends.

### Operating Capital and Capital Expenditure Requirements

We believe that our existing cash balances and anticipated cash flows from operations will be sufficient to meet our operating, acquisition, stock repurchase, cash dividend and capital requirements for at least the next twelve months. However, there is no assurance that we will not need to raise additional equity or debt financing within this time frame. Additional financing may not be available on favorable terms or at all and may be dilutive to our then-current stockholders. We also may require additional capital for other purposes not presently contemplated. If we are unable to obtain sufficient capital, we could be required to curtail capital equipment purchases or research and development expenditures, which could harm our business. Factors that could affect our cash used or generated from operations and, as a result, our need to seek additional borrowings or capital include:

- decreased demand and market acceptance for our products and/or our customers' products;
- inability to successfully develop and produce in volume production our next-generation products;
- competitive pressures resulting in lower than expected average selling prices; and
- new product announcements or product introductions by our competitors.

We expect to spend approximately \$240.0 million to \$280.0 million for capital expenditures during fiscal year 2014, primarily for property development, leasehold improvements, software licenses, emulation equipment, computers and engineering workstations. In fiscal year 2014, we expect to break ground on a new building for our headquarters campus in Santa Clara to provide for our near-term growth needs. This 500,000 square foot building will provide 2,500 seats and be built on land we purchased five years ago. We estimate capital funding of \$32.0 million for the

campus development project in fiscal year 2014. In addition, we may continue to use cash in connection with the acquisition of new businesses or assets.

For additional factors see “Item 1A. Risk Factors - Risks Related to Our Business, Industry and Partners - Our revenue may fluctuate while our operating expenses are relatively fixed, which makes our results difficult to predict and could cause our results to fall short of expectations.”

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## Product Defect

Our products are complex and may contain defects or experience failures due to any number of issues in design, fabrication, packaging, materials and/or use within a system. If any of our products or technologies contains a defect, compatibility issue or other error, we may have to invest additional research and development efforts to find and correct the issue. Such efforts could divert our management's and engineers' attention from the development of new products and technologies and could increase our operating costs and reduce our gross margin. In addition, an error or defect in new products or releases or related software drivers after commencement of commercial shipments could result in failure to achieve market acceptance or loss of design wins. Also, we may be required to reimburse customers, including for customers' costs to repair or replace the products in the field, which could cause our revenue to decline. A product recall or a significant number of product returns could be expensive, damage our reputation and could result in the shifting of business to our competitors. Costs associated with correcting defects, errors, bugs or other issues could be significant and could materially harm our financial results.

During the three year period ended January 30, 2011, we recorded a cumulative net charge of \$475.9 million, most of which was charged against cost of revenue, to cover customer warranty, repair, return, replacement and other costs arising from a weak die/package material set in certain versions of our previous generation MCP and GPU products used in notebook configurations. Determining the amount of the warranty charges related to this issue required management to make estimates and judgments based on historical experience, test data and various other assumptions including estimated field failure rates that we believe to be reasonable under the circumstances. The results of these judgments formed the basis for our estimate of the total charge to cover anticipated customer warranty, repair, return and replacement and other associated costs. If the actual repair, return, replacement and other associated costs and/or actual field failure rates exceed our estimates, we may be required to record additional reserves, which would increase our cost of revenue and materially harm our financial results.

## Contractual Obligations

The following table summarizes our contractual obligations as of January 27, 2013:

Contractual Obligations	Payment Due By Period					
	Total	Less than 1 Year	1-3 Years	4-5 Years	More than 5 Years	All Other
	(In thousands)					
Operating leases	\$180,823	\$34,294	\$55,081	\$47,903	\$43,545	\$—
Capital lease	30,720	4,926	9,885	10,448	5,461	—
Purchase obligations (1)	470,309	470,309	—	—	—	—
Uncertain tax positions, interest and penalties (2)	212,245	—	—	—	—	212,245
Capital purchase obligations	44,788	44,788	—	—	—	—
Retention program (3)	39,451	14,776	24,675	—	—	—
Total contractual obligations	\$978,336	\$569,093	\$89,641	\$58,351	\$49,006	\$212,245

(1) Represents our inventory purchase commitments as of January 27, 2013.

(2) Represents unrecognized tax benefits of \$212.2 million which consists of \$104.0 million recorded in non-current income taxes payable and \$96.9 million reflected as a reduction to the related deferred tax assets, and the related interest and penalties on the non-current income tax payable of \$11.3 million as of January 27, 2013. We are unable to reasonably estimate the timing of any potential tax liability or interest/penalty payments in individual years due to uncertainties in the underlying income tax positions and the timing of the effective settlement of such

tax positions.

Represents a retention program in the aggregate amount of approximately \$68.0 million in connection with our (3) acquisition of Icera on June 10, 2011. As of January 27, 2013, we have made payments of \$28.5 million in connection with this program. Remaining payments will be paid out within the next three years.

#### Off-Balance Sheet Arrangements

During fiscal years 2013, 2012 and 2011, we had no material off-balance sheet arrangements as defined in Regulation S-K 303(a)(4)(ii).

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Adoption of New and Recently Issued Accounting Pronouncements

Please see Note 1 of the Notes to the Consolidated Financial Statements in Part IV, Item 15 of this Annual Report on Form 10-K for a discussion of adoption of new and recently issued accounting pronouncements.

ITEM 7A. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

Investment and Interest Rate Risk

As of January 27, 2013 and January 29, 2012, we had \$3.73 billion and \$3.13 billion, respectively, in cash, cash equivalents and marketable securities. We invest in a variety of financial instruments, consisting principally of cash and cash equivalents, asset-backed securities, commercial paper, mortgage-backed securities issued by Government-sponsored enterprises, money market funds and debt securities of corporations, municipalities and the United States government and its agencies. As of January 27, 2013, we did not have any investments in auction-rate preferred securities. Our investments are denominated in United States dollars.

All of the cash equivalents and marketable securities are treated as “available-for-sale.” Investments in both fixed and floating rate interest earning instruments carry a degree of interest rate risk. Fixed rate securities may have their market value adversely impacted due to a rise in interest rates, while floating rate securities may produce less income than expected if interest rates fall. Due in part to these factors, our future investment income may fall short of expectations due to changes in interest rates or if the decline in fair value of our publicly traded debt or equity investments is judged to be other-than-temporary. We may suffer losses in principal if we are forced to sell securities that decline in securities market value due to changes in interest rates. However, because any debt securities we hold are classified as “available-for-sale,” no gains or losses are realized in our Consolidated Statements of Income due to changes in interest rates unless such securities are sold prior to maturity or unless declines in value are determined to be other-than-temporary. These securities are reported at fair value with the related unrealized gains and losses included in accumulated other comprehensive income (loss), a component of stockholders’ equity, net of tax.

As of January 27, 2013, we performed a sensitivity analysis on our floating and fixed rate financial investments. According to our analysis, parallel shifts in the yield curve of both plus or minus 0.5% would result in changes in fair values for these investments of approximately \$20.4 million.

The financial turmoil that affected the banking system and financial markets and increased the possibility that financial institutions might consolidate or go out of business resulted in a tightening in the credit markets, a low level of liquidity in many financial markets, and extreme volatility in fixed income, credit, currency and equity markets. There could be a number of follow-on effects from the credit crisis on our business, including insolvency of key suppliers resulting in product delays; inability of customers, including channel partners, to obtain credit to finance purchases of our products and/or customer, including channel partner, insolvencies; and failure of financial institutions, which may negatively impact our treasury operations. Other income and expense could also vary materially from expectations depending on gains or losses realized on the sale or exchange of financial instruments; impairment charges related to debt securities as well as equity and other investments; interest rates; and cash, cash equivalent and marketable securities balances. Volatility in the financial markets and economic uncertainty increases the risk that the actual amounts realized in the future on our financial instruments could differ significantly from the fair values currently assigned to them. As of January 27, 2013, our investments in government agencies and government sponsored enterprises represented approximately 56% of our total investment portfolio, while the financial sector accounted for approximately 19% of our total investment portfolio. Substantially all of our investments are with A/A2 or better rated securities. If the fair value of our investments in these sectors was to decline by 2%-5%, the fair values of these investments would decline by approximately \$49-\$123 million.

### Exchange Rate Risk

We consider our direct exposure to foreign exchange rate fluctuations to be minimal. Gains or losses from foreign currency remeasurement are included in "Other expense, net" in our Consolidated Financial Statements and to date have not been significant. The impact of foreign currency transaction gain (loss) included in determining net income for fiscal years 2013, 2012 and 2011 was \$(1.5) million, \$1.6 million and \$(2.4) million, respectively. Currently, sales and arrangements with third-party manufacturers provide for pricing and payment in United States dollars, and, therefore, are not subject to exchange rate fluctuations. Increases in the value of the United States' dollar relative to other currencies would make our products more expensive, which could negatively impact our ability to compete. Conversely, decreases in the value of the United States' dollar relative to other currencies could result in our suppliers raising their prices in order to continue doing business with us. Fluctuations in currency exchange rates could harm our business in the future.



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We may enter into certain transactions such as forward contracts which are designed to reduce the future potential impact resulting from changes in foreign currency exchange rates. There were no forward exchange contracts outstanding at January 27, 2013.

ITEM 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA

The information required by this Item is set forth in our Consolidated Financial Statements and Notes thereto included in this Annual Report on Form 10-K.

ITEM 9. CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE

Not applicable.

ITEM 9A. CONTROLS AND PROCEDURES

Controls and Procedures

Disclosure Controls and Procedures

Based on their evaluation as of January 27, 2013, our management, including our Chief Executive Officer and Interim Chief Financial Officer, has concluded that our disclosure controls and procedures (as defined in Rule 13a-15(e) under the Securities Exchange Act of 1934, as amended, or the Exchange Act) were effective to provide reasonable assurance.

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Management's Annual Report on Internal Control Over Financial Reporting

Our management is responsible for establishing and maintaining adequate internal control over financial reporting, as such term is defined in Exchange Act Rule 13a-15(f). Under the supervision and with the participation of our management, including our Chief Executive Officer and Interim Chief Financial Officer, we conducted an evaluation of the effectiveness of our internal control over financial reporting as of January 27, 2013 based on the criteria set forth in Internal Control - Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission. Based on our evaluation under the criteria set forth in Internal Control — Integrated Framework, our management concluded that our internal control over financial reporting was effective as of January 27, 2013.

The effectiveness of our internal control over financial reporting as of January 27, 2013 has been audited by PricewaterhouseCoopers LLP, an independent registered public accounting firm, as stated in its report which is included herein.

Changes in Internal Control Over Financial Reporting

There were no changes in our internal control over financial reporting during our last fiscal quarter that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

Inherent Limitations on Effectiveness of Controls

Our management, including our Chief Executive Officer and Interim Chief Financial Officer, does not expect that our disclosure controls and procedures or our internal controls, will prevent all error and all fraud. A control system, no matter how well conceived and operated, can provide only reasonable, not absolute, assurance that the objectives of the control system are met. Further, the design of a control system must reflect the fact that there are resource constraints, and the benefits of controls must be considered relative to their costs. Because of the inherent limitations in all control systems, no evaluation of controls can provide absolute assurance that all control issues and instances of fraud, if any, within NVIDIA have been detected.

ITEM 9B. OTHER INFORMATION

None.

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PART III

Certain information required by Part III is omitted from this report because we will file with the SEC a definitive proxy statement pursuant to Regulation 14A, or the 2013 Proxy Statement, not later than 120 days after the fiscal year ended January 27, 2013, and certain information included therein is incorporated herein by reference.

ITEM 10. DIRECTORS, EXECUTIVE OFFICERS AND CORPORATE GOVERNANCE

Identification of Directors

Reference is made to the information regarding directors appearing under the heading “Proposal 1 - Election of Directors” in our 2013 Proxy Statement, which information is hereby incorporated by reference.

Identification of Executive Officers

Reference is made to the information regarding executive officers appearing under the heading “Executive Officers of the Registrant” in Part I of this Annual Report on Form 10-K, which information is hereby incorporated by reference.

Identification of Audit Committee and Financial Expert

Reference is made to the information regarding directors appearing under the heading “Report of the Audit Committee of the Board of Directors” and “Information about the Board of Directors and Corporate Governance” in our 2013 Proxy Statement, which information is hereby incorporated by reference.

Material Changes to Procedures for Recommending Directors

Reference is made to the information regarding directors appearing under the heading “Information about the Board of Directors and Corporate Governance” in our 2013 Proxy Statement, which information is hereby incorporated by reference.

Compliance with Section 16(a) of the Exchange Act

Reference is made to the information appearing under the heading “Section 16(a) Beneficial Ownership Reporting Compliance” in our 2013 Proxy Statement, which information is hereby incorporated by reference.

Code of Conduct

Reference is made to the information appearing under the heading “Information about the Board of Directors and Corporate Governance - Code of Conduct” in our 2013 Proxy Statement, which information is hereby incorporated by reference. The full text of our “Code” and “Financial Team Code” are published on the Investor Relations portion of our web site, under Corporate Governance, at [www.nvidia.com](http://www.nvidia.com). The contents of our website are not a part of this Annual Report on Form 10-K.

ITEM 11. EXECUTIVE COMPENSATION

The information required by this item is hereby incorporated by reference from the sections entitled “Executive Compensation”, “Compensation Committee Interlocks and Insider Participation”, “Director Compensation” and “Compensation Committee Report” in our 2013 Proxy Statement.

ITEM 12. SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERS

Ownership of NVIDIA Securities

The information required by this item is hereby incorporated by reference from the section entitled “Security Ownership of Certain Beneficial Owners and Management” in our 2013 Proxy Statement.

Equity Compensation Plan Information

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Information regarding our equity compensation plans, including both stockholder approved plans and non-stockholder approved plans, will be contained in our 2013 Proxy Statement under the caption "Equity Compensation Plan Information," and is hereby incorporated by reference.

ITEM 13. CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS, AND DIRECTOR INDEPENDENCE

The information required by this item is hereby incorporated by reference from the sections entitled "Transactions with Related Persons", "Review of Transactions with Related Persons" and "Information about the Board of Directors and Corporate Governance - Independence of the Members of the Board of Directors" in our 2013 Proxy Statement.

ITEM 14. PRINCIPAL ACCOUNTING FEES AND SERVICES

The information required by this item is hereby incorporated by reference from the section entitled "Fees Billed by the Independent Registered Public Accounting Firm" in our 2013 Proxy Statement.

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PART IV

ITEM 15. EXHIBITS, FINANCIAL STATEMENT SCHEDULE

	Page
(a) 1.= Consolidated Financial Statements	
<u>Report of Independent Registered Public Accounting Firm, PricewaterhouseCoopers LLP</u>	<u>62</u>
<u>Consolidated Statements of Income for the years ended January 27, 2013, January 29, 2012 and January 30, 2011</u>	<u>63</u>
<u>Consolidated Statements of Comprehensive Income for the years ended January 27, 2013, January 29, 2012 and January 30, 2011</u>	<u>64</u>
<u>Consolidated Balance Sheets as of January 27, 2013 and January 29, 2012</u>	<u>65</u>
<u>Consolidated Statements of Stockholders' Equity for the years ended January 27, 2013, January 29, 2012 and January 30, 2011</u>	<u>66</u>
<u>Consolidated Statements of Cash Flows for the years ended January 27, 2013, January 29, 2012 and January 30, 2011</u>	<u>68</u>
<u>Notes to the Consolidated Financial Statements</u>	<u>69</u>
2. Financial Statement Schedule	
<u>Schedule II Valuation and Qualifying Accounts</u>	<u>105</u>
3. Exhibits	
<u>The exhibits listed in the accompanying index to exhibits are filed or incorporated by reference as a part of this Annual Report on Form 10-K.</u>	<u>106</u>

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REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Stockholders and Board of Directors of NVIDIA Corporation:

In our opinion, the consolidated financial statements listed in the index appearing under Item 15(a)(1) present fairly, in all material respects, the financial position of NVIDIA Corporation and its subsidiaries at January 27, 2013 and January 29, 2012, and the results of their operations and their cash flows for each of the three years in the period ended January 27, 2013 in conformity with accounting principles generally accepted in the United States of America. In addition, in our opinion, the financial statement schedule listed in the index appearing under Item 15(a)(2) presents fairly, in all material respects, the information set forth therein when read in conjunction with the related consolidated financial statements. Also in our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of January 27, 2013, based on criteria established in Internal Control - Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). The Company's management is responsible for these financial statements and financial statement schedule, for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting, included in Management's Report on Internal Control over Financial Reporting appearing under Item 9A. Our responsibility is to express opinions on these financial statements, on the financial statement schedule, and on the Company's internal control over financial reporting based on our integrated audits. We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free of material misstatement and whether effective internal control over financial reporting was maintained in all material respects. Our audits of the financial statements included examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audits also included performing such other procedures as we considered necessary in the circumstances. We believe that our audits provide a reasonable basis for our opinions.

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

/s/ PricewaterhouseCoopers LLP

San Jose, CA

March 12, 2013

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NVIDIA CORPORATION AND SUBSIDIARIES  
 CONSOLIDATED STATEMENTS OF INCOME  
 (In thousands, except per share data)

	Year Ended		
	January 27, 2013	January 29, 2012	January 30, 2011
Revenue	\$4,280,159	\$3,997,930	\$3,543,309
Cost of revenue	2,053,816	1,941,413	2,134,219
Gross profit	2,226,343	2,056,517	1,409,090
Operating expenses:			
Research and development	1,147,282	1,002,605	848,830
Sales, general and administrative	430,822	405,613	361,513
Legal settlement	—	—	(57,000)
Total operating expenses	1,578,104	1,408,218	1,153,343
Income from operations	648,239	648,299	255,747
Interest income	19,908	19,149	19,057
Interest expense	(3,294)	(3,089)	(3,127)
Other expense, net	(2,814)	(963)	(508)
Income before income tax	662,039	663,396	271,169
Income tax expense	99,503	82,306	18,023
Net income	\$562,536	\$581,090	\$253,146
Basic net income per share	\$0.91	\$0.96	\$0.44
Weighted average shares used in basic per share computation	619,324	603,646	575,177
Diluted net income per share	\$0.90	\$0.94	\$0.43
Weighted average shares used in diluted per share computation	624,957	616,371	588,684
Cash dividends declared and paid per common share	\$0.075	\$—	\$—

See accompanying notes to the consolidated financial statements.

Table of ContentsNVIDIA CORPORATION AND SUBSIDIARIES  
CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME

(In thousands)

	January 27, 2013	January 29, 2012	January 30, 2011
Net income	\$562,536	\$581,090	\$253,146
Other comprehensive income (loss), net of tax:			
Net change in unrealized gains (losses) on available-for-sale securities, net of tax effect of \$126, \$937 and \$306 in 2013, 2012 and 2011, respectively	(303	) 755	(918 )
Reclassification adjustments for net realized gains on available-for-sale securities included in net income, net of tax effect of \$178, \$222 and \$528 in 2013, 2012 and 2011, respectively	(330	) (413	) (982 )
Other comprehensive income (loss)	\$(633	) \$342	\$(1,900 )
Total comprehensive income	\$561,903	\$581,432	\$251,246

See accompanying notes to the consolidated financial statements.

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NVIDIA CORPORATION AND SUBSIDIARIES  
CONSOLIDATED BALANCE SHEETS  
(In thousands, except share and per share data)

	January 27, 2013	January 29, 2012
<b>ASSETS</b>		
Current assets:		
Cash and cash equivalents	\$732,786	\$667,876
Marketable securities	2,995,097	2,461,700
Accounts receivable, less allowances of \$14,791 and \$14,854 in 2013 and 2012, respectively	454,252	336,143
Inventories	419,686	340,297
Prepaid expenses and other	69,701	49,411
Deferred income taxes	103,736	49,931
Total current assets	4,775,258	3,905,358
Property and equipment, net	576,144	560,072
Goodwill	641,030	641,030
Intangible assets, net	312,332	326,136
Other assets	107,481	120,332
Total assets	\$6,412,245	\$5,552,928
<b>LIABILITIES AND STOCKHOLDERS' EQUITY</b>		
Current liabilities:		
Accounts payable	\$356,428	\$335,072
Accrued liabilities and other	619,795	594,886
Total current liabilities	976,223	929,958
Other long-term liabilities	589,321	455,807
Capital lease obligations, long term	18,998	21,439
Commitments and contingencies - see Note 13	—	—
Stockholders' equity:		
Preferred stock, \$.001 par value; 2,000,000 shares authorized; none issued	—	—
Common stock, \$.001 par value; 2,000,000,000 shares authorized; 720,153,197 shares issued and 616,756,134 outstanding in 2013; 705,352,099 shares issued and 612,191,412 outstanding in 2012	720	700
Additional paid-in capital	3,193,623	2,900,896
Treasury stock, at cost (103,397,063 shares in 2013 and 93,160,687 shares in 2012)	(1,622,709)	(1,496,904)
Accumulated other comprehensive income	9,981	10,614
Retained earnings	3,246,088	2,730,418
Total stockholders' equity	4,827,703	4,145,724
Total liabilities and stockholders' equity	\$6,412,245	\$5,552,928

See accompanying notes to the consolidated financial statements.

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NVIDIA CORPORATION AND SUBSIDIARIES  
CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY  
(In thousands, except share data)

	Common Stock Outstanding	Stock Amount	Additional Paid-in Capital	Treasury Stock	Accumulated Other Comprehensive Income	Retained Earnings	Total Stockholders' Equity
Balances, January 31, 2010	561,465,851	\$ 653	\$2,219,401	\$(1,463,268)	\$ 12,172	\$1,896,182	\$ 2,665,140
Comprehensive income:							
Other comprehensive income (loss)	—	—	—	—	(1,900 )	—	(1,900 )
Net income	—	—	—	—	—	253,146	253,146
Total comprehensive income							251,246
Issuance of common stock from stock plans	28,207,029	24	193,381	—	—	—	193,405
Tax withholding related to vesting of restricted stock units	(1,117,179 )	—	—	(16,124 )	—	—	(16,124 )
Tax benefit from stock-based compensation	—	—	(14,201 )	—	—	—	(14,201 )
Stock-based compensation	—	—	101,996	—	—	—	101,996
Balances, January 30, 2011	588,555,701	677	2,500,577	(1,479,392 )	10,272	2,149,328	3,181,462
Comprehensive income:							
Other comprehensive income (loss)	—	—	—	—	342	—	342
Net income	—	—	—	—	—	581,090	581,090
Total comprehensive income	—	—	—	—	—	—	581,432
Issuance of common stock from stock plans	24,753,362	23	213,346	—	—	—	213,369
Tax withholding related to vesting of restricted stock units	(1,117,651 )	—	—	(17,512 )	—	—	(17,512 )
Tax benefit from stock-based compensation	—	—	50,475	—	—	—	50,475
Stock-based compensation	—	—	136,498	—	—	—	136,498
Balances, January 29, 2012	612,191,412	700	2,900,896	(1,496,904 )	10,614	2,730,418	4,145,724
Comprehensive income:							

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Other comprehensive income (loss)	—	—	—	—	(633 )	—	(633 )
Net income	—	—	—	—		562,536	562,536
Total comprehensive income	—	—	—	—	—	—	561,903
Issuance of common stock from stock plans	14,800,959	20	90,721	—	—	—	90,741
Tax withholding related to vesting of restricted stock units	(1,836,097 )	—	—	(25,805 )	—	—	(25,805 )
Stock repurchase	(8,400,140 )	—	—	(100,000 )	—	—	(100,000 )

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Cash dividends declared and paid (\$0.075 per common share)	—	—	—	—	—	(46,866 )	(46,866 )
Tax benefit from stock-based compensation	—	—	64,905	—	—	—	64,905
Stock-based compensation	—	—	137,101	—	—	—	137,101
Balances, January 27, 2013	616,756,134	\$720	\$3,193,623	\$(1,622,709)	\$9,981	\$3,246,088	\$4,827,703

See accompanying notes to the consolidated financial statements.

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NVIDIA CORPORATION AND SUBSIDIARIES  
CONSOLIDATED STATEMENTS OF CASH FLOWS  
(In thousands)

	January 27, 2013	Year Ended January 29, 2012	January 30, 2011
Cash flows from operating activities:			
Net income	\$562,536	\$581,090	\$253,146
Adjustments to reconcile net income to net cash provided by operating activities:			
Stock-based compensation expense	136,662	136,354	100,353
Depreciation and amortization	226,235	204,205	186,989
Deferred income taxes	31,860	19,056	(2,646 )
Tax benefit from stock-based compensation	(68,710 )	(52,793 )	(15,316 )
Other	47,911	19,095	1,572
Changes in operating assets and liabilities, net of effects of acquisitions:			
Accounts receivable	(118,940 )	26,236	26,341
Inventories	(78,949 )	18,884	(14,128 )
Prepaid expenses and other current assets	(20,290 )	(14,803 )	8,528
Deposits and other assets	8,567	(70,694 )	4,331
Accounts payable	10,885	35,708	(69,786 )
Accrued liabilities and other long-term liabilities	86,405	6,818	196,413