

CAUTIONARY STATEMENT

This presentation contains forward-looking statements concerning Advanced Micro Devices, Inc. (AMD) including, but not limited to, the features, functionality, availability, timing, expectations and expected benefits of AMD's products including AMD's 2nd Generation Threadripper™, which are made pursuant to the Safe Harbor provisions of the Private Securities Litigation Reform Act of 1995. Forward-looking statements are commonly identified by words such as "would," "may," "expects," "believes," "plans," "intends," "projects" and other terms with similar meaning. Investors are cautioned that the forward-looking statements in this presentation are based on current beliefs, assumptions and expectations, speak only as of the date of this presentation and involve risks and uncertainties that could cause actual results to differ materially from current expectations. Such statements are subject to certain known and unknown risks and uncertainties, many of which are difficult to predict and generally beyond AMD's control, that could cause actual results and other future events to differ materially from those expressed in, or implied or projected by, the forward-looking information and statements. Investors are urged to review in detail the risks and uncertainties in AMD's Securities and Exchange Commission filings, including but not limited to AMD's Quarterly Report on Form 10-Q for the quarter ended March 31, 2018.



THE PEDAL TO THE METAL FOR CONTENT CREATORS

DESIGNED FOR THOSE WHO DEMAND THE HIGHEST PERFORMANCE

CREATORS & INNOVATORS



AMD
RYZEN
THREADRIPPER

IT'S ABOUT
YOUR TIME.

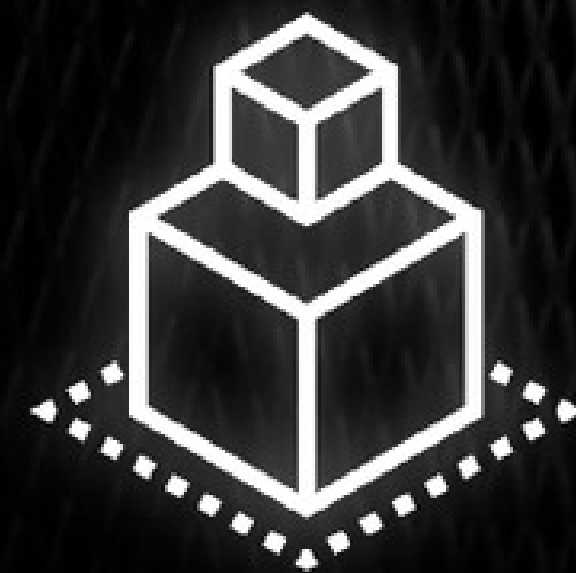
CONTENT CREATOR WORKFLOWS

THE HIGHEST PERFORMANCE

ANIMATION

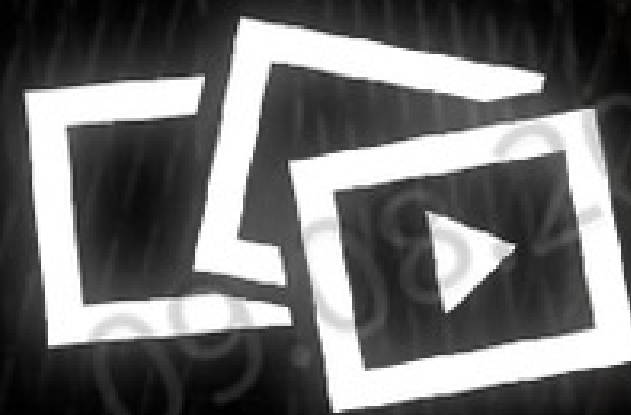
Modeling

Autodesk® Maya
3DS MAX



Rigging & Animation

SideFX Houdini™
Autodesk® Mudbox



Effects & Lighting

Katana
Adobe AE



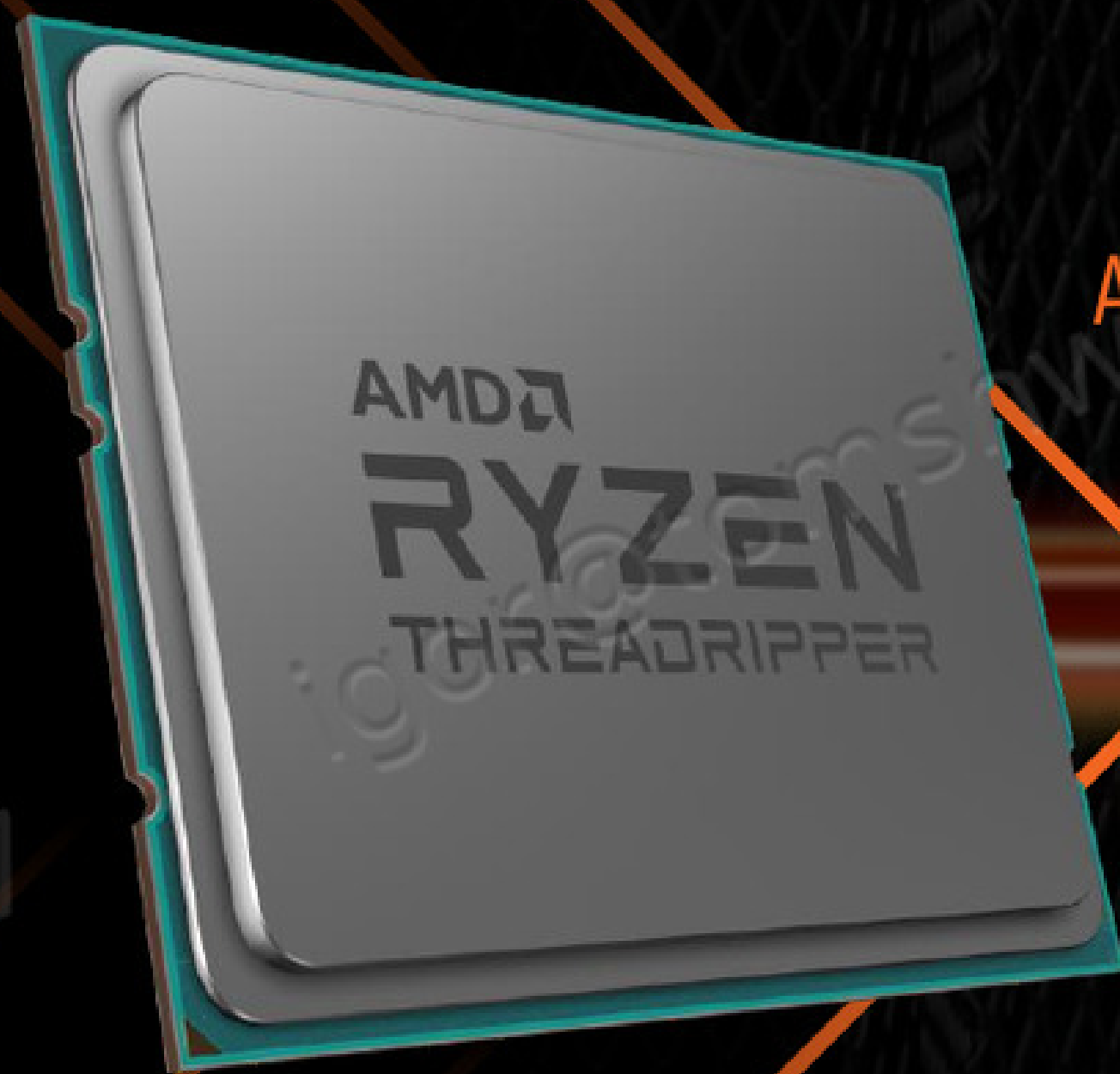
Editing & Compositing

Nuke®
Adobe® Premier Pro



Rendering

Arnold
Chaos Vray



CREATIVE APPLICATIONS

PROFESSIONAL APPLICATION PERFORMANCE
SCALING WITH CORES/THREADS



ARNOLD



Adobe Dimension CC



AUTODESK®
MAYA® 2018



v-ray

Houdini™



KeyShot



UNREAL
ENGINE



blender™

CUSTOMER EXPERIENCES

WITH AMD-BASED WORKSTATIONS

“...Our artists love the **Ryzen** and **Threadrippers**, because they get faster feedback on their daily work and can use this extra time saving to do more iterations, improving the results. Counting in all benefits of faster, more efficient and more performance, AMD raises the quality of our animated feature “Manou the Swift” to a higher level.”

–**Christian Haas, CEO LUXX Studios**

The LUXX Studios logo, featuring the word "LUXX" in a bold, blue, sans-serif font, with the word "STUDIOS" in a smaller, white, sans-serif font below it. The logo is enclosed within a black circle with an orange border.

LUXX
STUDIOS

CUSTOMER EXPERIENCES

WITH AMD-BASED WORKSTATIONS

“AMD has been a constant leader in computer hardware development for the visual effects industry. Introducing **Threadripper** and **EPYC** hardware into our studio has radically enhanced our pipeline processes so that we can continue to deliver on the increasingly ambitious vision of our clients, and manage the growth of our business.”

**- Colin Davies, Visual Effects
Supervisor & Partner at SPINVFX**

The SPINVFX logo, featuring the word "SPIN" in white and "VFX" in red, both in a bold, sans-serif font, enclosed within a black circle with an orange border. The background of the slide features a dark, textured surface with orange and black geometric shapes, possibly representing a computer case or a studio environment.

SPINVFX

CUSTOMER EXPERIENCES

WITH AMD-BASED WORKSTATIONS

"...AMD Ryzen Threadripper allows us to spin new revisions of Unreal Engine-based Virtual Production and VR scenes to our feature film clients faster than ever. For Fox VFX Lab, Threadripper gives us a new level of performance needed to stay on the cutting edge of virtual production and VR."

—Ron Fischer, FOX VFX Lab



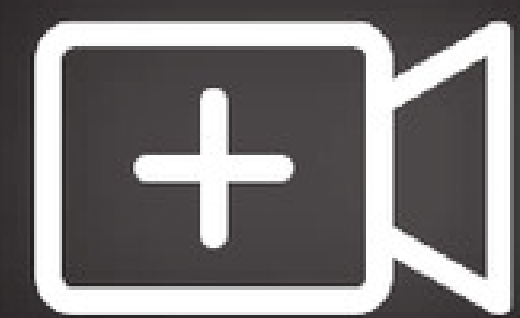
CONTENT CREATOR PERFORMANCE

Ryzen™ Threadripper™ CPU

Balanced platform designed to tackle complex workflows from end to end



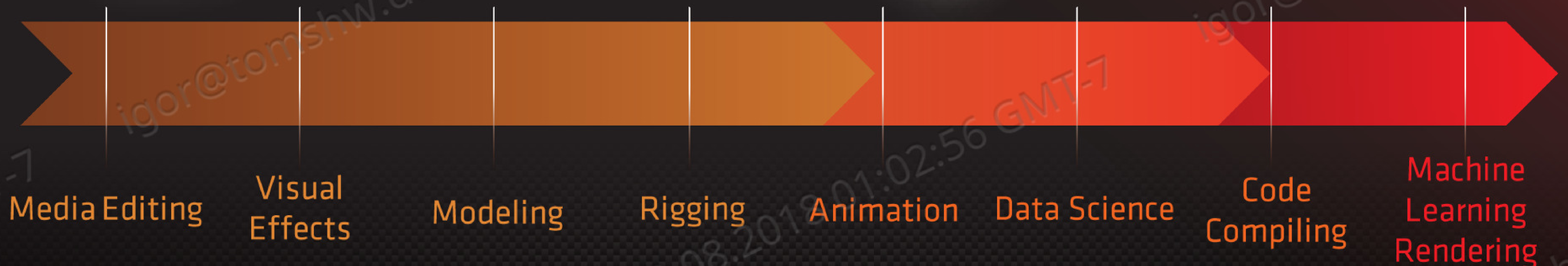
THREADRIPPER



2950X (16 Core)



2990WX (32 Core)



IDEAL
FOR:



Adobe® Creative Cloud



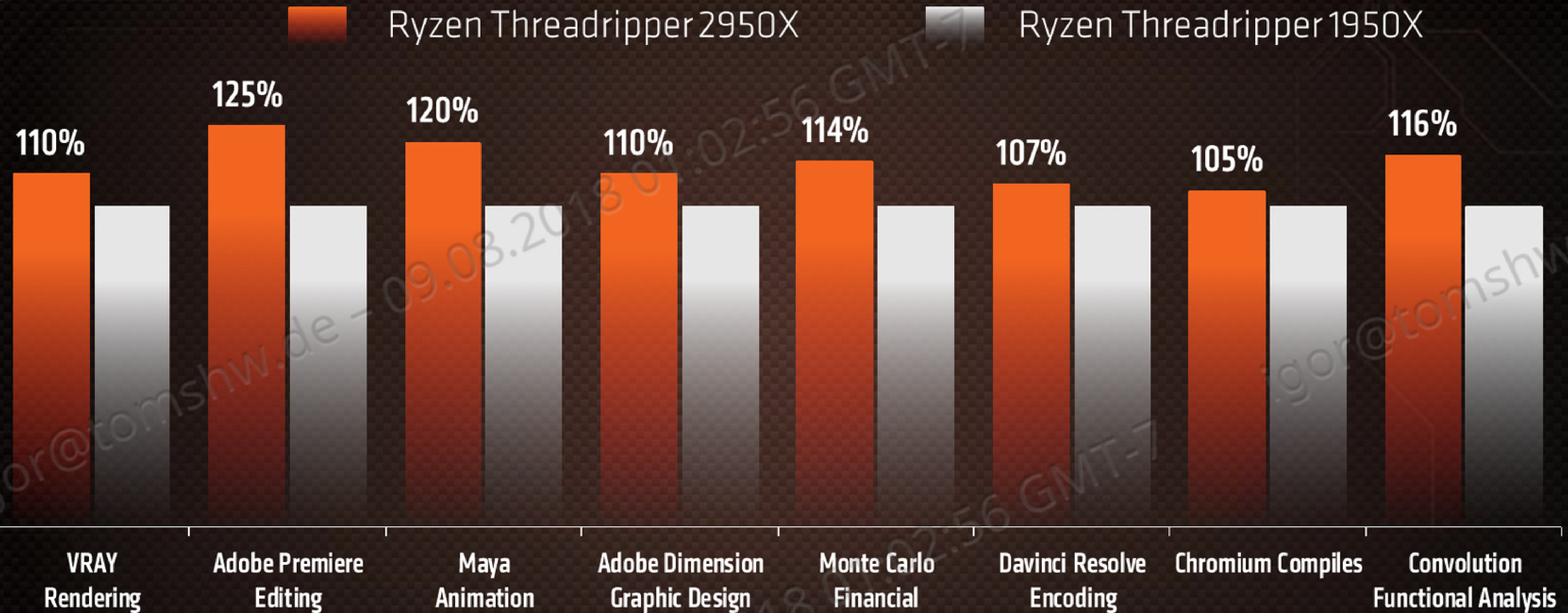
AUTODESK®
MAYA® 2018



DAVINCI
RESOLVE

CONTENT CREATOR PERFORMANCE

RYZEN™ THREADRIPPER™ PROCESSOR



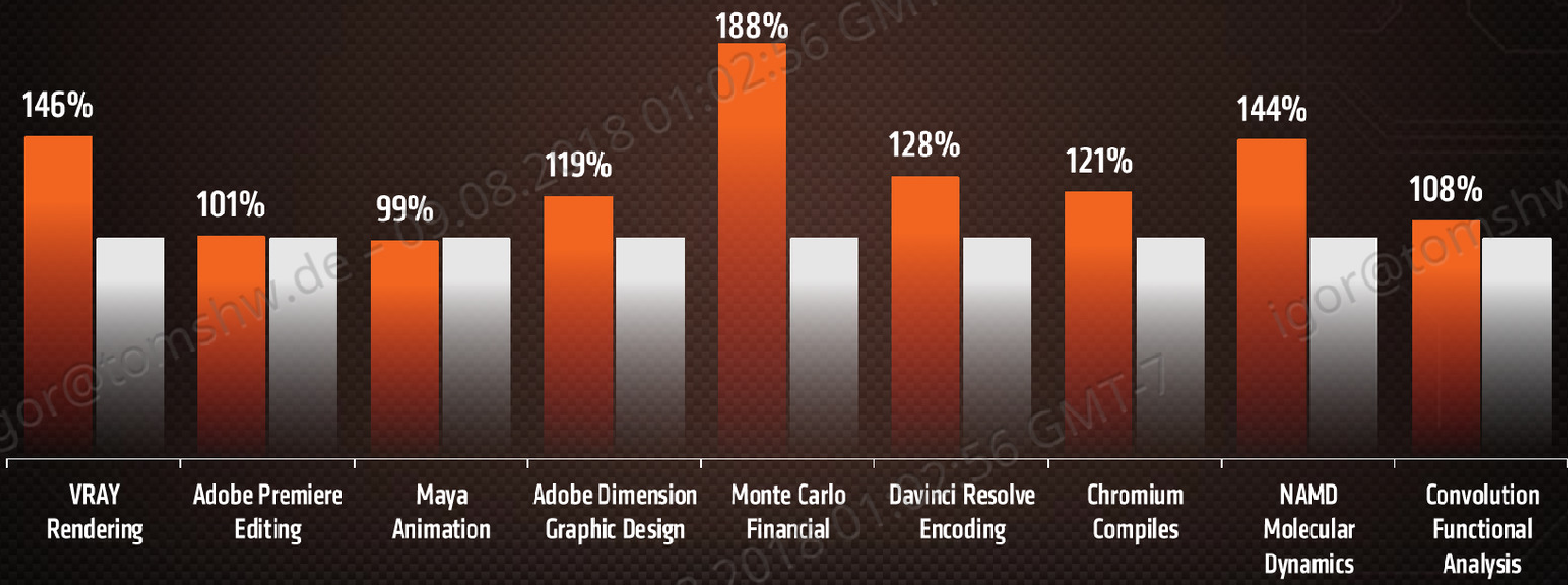
16C GEN1 vs. 16C GEN2

* See end notes RP2-28 and RP2-29 for performance references
† SPECwpc™ 2.1 subtest estimate scores used for measurement
Additional information about the SPEC benchmarks can be found at www.spec.org/gwpg

CONTENT CREATOR PERFORMANCE

RYZEN™ THREADRIPPER™ PROCESSOR

Ryzen Threadripper 2990WX Intel i9-7980XE



THREADRIPPER 32C vs. i9 18C

* See end notes RP2-28 and RP2-29 for performance references
† SPECwpc™ 2.1 subtest estimate scores used for measurement
Additional information about the SPEC benchmarks can be found at www.spec.org/gwpg

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Anytime, anywhere access! Teradici Cloud Access Software powered by PCoIP and **AMD Ryzen Threadripper** provide performance, security, and a high definition computing experience for content creators and innovators in their local or remote virtual offices. We are proud to support AMD as they launch the next generation of **AMD Ryzen Threadripper**.

– Ziad Lammam, Vice President, Product Management & Marketing

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teradici®

PERFORMANCE

World class multi-thread performance for
content creation applications

PORTFOLIO

Growing assortment of system
integration partners

PRODUCTIVITY

End customer and ISVs are demanding
AMD content creator solutions

PEDAL TO THE METAL FOR CONTENT CREATORS

CAUTIONARY STATEMENT

This presentation contains forward-looking statements concerning Advanced Micro Devices, Inc. (AMD) including, but not limited to, the features, functionality, availability, timing, expectations and expected benefits of AMD future products, including 2nd generation Ryzen™ CPUs, Ryzen™ PRO Mobile Processors with Radeon™ Vega graphics, 2nd Generation Ryzen™ PRO Processors, and 2nd generation Ryzen™ Threadripper™ CPUs; the planned 2018 Ryzen™ roll-out; and the planned support for Socket AM4 until 2020, which are made pursuant to the Safe Harbor provisions of the Private Securities Litigation Reform Act of 1995. Forward-looking statements are commonly identified by words such as "would," "may," "expects," "believes," "plans," "intends," "projects" and other terms with similar meaning. Investors are cautioned that the forward-looking statements in this presentation are based on current beliefs, assumptions and expectations, speak only as of the date of this presentation and involve risks and uncertainties that could cause actual results to differ materially from current expectations. Such statements are subject to certain known and unknown risks and uncertainties, many of which are difficult to predict and generally beyond AMD's control, that could cause actual results and other future events to differ materially from those expressed in, or implied or projected by, the forward-looking information and statements. Investors are urged to review in detail the risks and uncertainties in AMD's Securities and Exchange Commission filings, including but not limited to AMD's Annual Report on Form 10-K for the year ended December 30, 2017.

ENDNOTES RP2-28, RP2-29

RP2-28 Testing by AMD Performance labs as of 07/15/2018. Workstation PC manufacturers may vary configurations yielding different results. Results may vary based on different driver versions used. System Configurations: All systems equipped with 64 GB quad-channel DDR4 2666 MHz (4x16), Samsung M.2 NVME 960PRO 500GB SSD, Windows 10 RS4 operating system and Radeon Pro WX7100 graphics adapters with driver version 18.Q2.1 AMD Threadripper 2950X: MSI MEG Motherboard .AMD Threadripper 1950X: Gigabyte Aorus Gaming 7. Intel Core i7-7900X: ASRock X299 Taichi. ChaosGroup V-Ray benchmark v3.57 used to show performance of V-Ray rendering software. The Intel Core i9-7900X achieved the following time: 60 sec. The AMD Threadripper 2950X achieved the following time: 43 sec for a time comparison of $(1/43) / (1/60) = 1.38$ or 38% faster on Threadripper 2950X. The AMD Threadripper 1950X achieved the following time: 47.6 for a time comparison of $(1/43) / (1/47.6) = 1.10$ or 10% faster on Threadripper 2950X. Adobe Dimension render times on Ryzen Coffee Scene v2 used to show performance of Adobe Dimension design software. The Intel Core i9-7900X achieved the following time: 238 sec. The AMD Threadripper 2950X achieved the following time: 199 sec for a time comparison of $(1/199) / (1/238) = 1.195$ or 20% faster on Threadripper 2950X. The AMD Threadripper 1950X achieved the following time: 218.7 for a time comparison of $(1/173) / (1/199) = 1.098$ or 10% faster on Threadripper 2950X. Adobe Premiere encoding time exporting Soccer Drills 4K 60FPS footage using 2140P YouTube Preset used to show export performance in Adobe Premiere Editing Software. The Intel Core i9-7900X achieved the following time: 686 sec. The AMD Threadripper 2950X achieved the following time: 368 sec for a time comparison of $(1/368) / (1/686) = 1.86$ or 86% faster on Threadripper 2950X. The AMD Threadripper 1950X achieved the following time: 461 for a time comparison of $(1/368) / (1/461) = 1.25$ or 25% faster on Threadripper 2950X. BlackMagic Design Davinci Resolve 15.0b5: IMF encoding using Shark test footage and the Kakadu JPEG 2000 Dolby Vision UHD preset used to show encoding performance in Davinci Resolve. The Intel Core i9-7900X achieved the following time: 66.3 sec. The AMD Threadripper 2950X achieved the following time: 43.3 sec for a time comparison of $(1/43.3) / (1/66.3) = 1.53$ or 53% faster on Threadripper 2950X. The AMD Threadripper 1950X achieved the following time: 46.3 for a time comparison of $(1/43.3) / (1/46.3) = 1.069$ or 7% faster on Threadripper 2950X. Chromium 67.0 compiled with GCC in Ubuntu 18.04 used to show compiling performance. The Intel Core i9-7900X achieved the following time: 3870 sec. The AMD Threadripper 2950X achieved the following time: 3243 sec for a time comparison of $(1/3243) / (1/3870) = 1.19$ or 19% faster on Threadripper 2950X. The AMD Threadripper 1950X achieved the following time: 3402 for a time comparison of $(1/3243) / (1/3402) = 1.048$ or 5% faster on Threadripper 2950X. SPECwpc™ V2.1 benchmark under official run settings; subtest estimate score for Maya used to show performance of Autodesk® Maya® computer animation software. The Intel Core i9-7900X achieved the following score: 14.7. The AMD Threadripper 2950X achieved the following score: 14.6 for a benchmark score comparison of $14.6/14.7 = .99$ or -1% more on Threadripper 2950X. The AMD Threadripper 1950X achieved the following score: 12.2 for a benchmark score comparison of $14.6/12.2 = 1.195$ or 20% more on Threadripper 2950X. SPECwpc™ V2.1 benchmark under official run settings; subtest estimate score for Convolution used to show performance of Convolution functional analysis benchmark. The Intel Core i9-7900X achieved the following score: 2.2. The AMD Threadripper 2950X achieved the following score: 4.3 for a benchmark score comparison of $4.3/2.2 = 1.95$ or 95% more on Threadripper 2950X. The AMD Threadripper 1950X achieved the following score: 3.7 for a benchmark score comparison of $4.3/3.7 = 1.157$ or 16% more on Threadripper 2950X. SPECwpc™ V2.1 benchmark under official run settings; subtest estimate score for Monte Carlo used to show performance of Monte Carlo financial simulation. The Intel Core i9-7900X achieved the following score: 13.7. The AMD Threadripper 2950X achieved the following score: 24.3 for a benchmark score comparison of $24.3/13.7 = 1.779$ or 78% more on Threadripper 2950X. The AMD Threadripper 1950X achieved the following score: 21.4 for a benchmark score comparison of $24.3/21.4 = 1.138$ or 14% more on Threadripper 2950X. SPECwpc™ V2.1 is a trademark of the Standard Performance Evaluation Corporation (SPEC). Additional information about the SPEC benchmarks can be found at www.spec.org/gwpg

RP2-29 Testing by AMD Performance labs as of 07/15/2018. Workstation PC manufacturers may vary configurations yielding different results. Results may vary based on different driver versions used. System Configurations: All systems equipped with 64 GB quad-channel DDR4 2666 MHz (4x16), Samsung M.2 NVME 960PRO 500GB SSD, Windows 10 RS4 operating system and Radeon Pro WX7100 graphics adapters with driver version 18.Q2.1 AMD Threadripper 2990WX: MSI MEG Motherboard AMD Threadripper 1950X: Gigabyte Aorus Gaming 7. Intel Core i7-7980XE, MSI Raider X299 motherboard. ChaosGroup V-Ray benchmark v3.57 used to show performance of V-Ray rendering software. The Intel Core i9-7980XE achieved the following time: 38 sec. The AMD Threadripper 2990WX achieved the following time: 26 sec for a time comparison of $(1/26) / (1/38) = 1.46$ or 46% faster on Threadripper 2990WX. The AMD Threadripper 1950X achieved the following time: 47.6 for a time comparison of $(1/26) / (1/47.6) = 1.83$ or 83% faster on Threadripper 2990WX. Adobe Dimension render times on Ryzen Coffee Scene v2 used to show performance of Adobe Dimension design software. The Intel Core i9-7980XE achieved the following time: 206 sec. The AMD Threadripper 2990WX achieved the following time: 173 sec for a time comparison of $(1/173) / (1/206) = 1.19$ or 19% faster on Threadripper 2990WX. The AMD Threadripper 1950X achieved the following time: 218.7 for a time comparison of $(1/173) / (1/218.7) = 1.36$ or 36% faster on Threadripper 2990WX. Adobe Premiere encoding time exporting Soccer Drills 4K 60FPS footage using 2140P YouTube Preset used to show export performance in Adobe Premiere Editing Software. The Intel Core i9-7980XE achieved the following time: 438 sec. The AMD Threadripper 2990WX achieved the following time: 434 sec for a time comparison of $(1/434) / (1/438) = 1.01$ or 1% faster on Threadripper 2990WX. The AMD Threadripper 1950X achieved the following time: 461 for a time comparison of $(1/434) / (1/461) = 1.06$ or 6% faster on Threadripper 2990WX. BlackMagic Design Davinci Resolve 15.0b5: IMF encoding using Shark test footage and the Kakadu JPEG 2000 Dolby Vision UHD preset used to show encoding performance in Davinci Resolve. The Intel Core i9-7980XE achieved the following time: 43.7 sec. The AMD Threadripper 2990WX achieved the following time: 34.0 sec for a time comparison of $(1/34) / (1/43.7) = 1.28$ or 28% faster on Threadripper 2990WX. The AMD Threadripper 1950X achieved the following time: 46.3 for a time comparison of $(1/34) / (1/46.3) = 1.36$ or 36% faster on Threadripper 2990WX. Chromium 67.0 compiled with GCC in Ubuntu 18.04 used to show compiling performance. The Intel Core i9-7980XE achieved the following time: 2396 sec. The AMD Threadripper 2990WX achieved the following time: 1980 sec for a time comparison of $(1/1980) / (1/2396) = 1.20$ or 20% faster on Threadripper 2990WX. The AMD Threadripper 1950X achieved the following time: 3402 for a time comparison of $(1/1980) / (1/3402) = 1.71$ or 71% faster on Threadripper 2990WX. SPECwpc™ V2.1 benchmark under official run settings; subtest estimate score for Maya used to show performance of Autodesk® Maya® computer animation software. The Intel Core i9-7980XE achieved the following score: 16.2. The AMD Threadripper 2990WX achieved the following score: 16.0 for a benchmark score comparison of $16.0/16.2 = .99$ or -1% more on Threadripper 2990WX. The AMD Threadripper 1950X achieved the following score: 12.2 for a benchmark score comparison of $16.0/12.2 = 1.31$ or 31% more on Threadripper 2990WX. SPECwpc™ V2.1 benchmark under official run settings; subtest estimate score for Convolution used to show performance of Convolution functional analysis benchmark. The Intel Core i9-7980XE achieved the following score: 3.3. The AMD Threadripper 2990WX achieved the following score: 6.8 for a benchmark score comparison of $6.8/3.3 = 2.08$ or 108% more on Threadripper 2990WX. The AMD Threadripper 1950X achieved the following score: 3.7 for a benchmark score comparison of $6.8/3.7 = 1.83$ or 83% more on Threadripper 2990WX. SPECwpc™ V2.1 benchmark under official run settings; subtest estimate score for Monte Carlo used to show performance of Monte Carlo financial simulation. The Intel Core i9-7980XE achieved the following score: 20.9. The AMD Threadripper 2990WX achieved the following score: 39.4 for a benchmark score comparison of $29.4/20.9 = 1.88$ or 88% more on Threadripper 2990WX. The AMD Threadripper 1950X achieved the following score: 21.4 for a benchmark score comparison of $29.4/20.9 = 1.84$ or 84% more on Threadripper 2990WX. SPECwpc™ V2.1 benchmark under official run settings; subtest estimate score for NAMD used to show performance of NAMD molecular dynamics software. The Intel Core i9-7980XE achieved the following score: 4.5. The AMD Threadripper 2990WX achieved the following score: 6.5 for a benchmark score comparison of $6.5/4.5 = 1.44$ or 44% more on Threadripper 2990WX. The AMD Threadripper 1950X achieved the following score: 3.9 for a score comparison of $6.5/3.9 = 1.68$ or 68% more on Threadripper 2990WX. SPECwpc™ V2.1 is a trademark of the Standard Performance Evaluation Corporation (SPEC). Additional information about the SPEC benchmarks can be found at www.spec.org/gwpg