



Simerics, Inc. and AMD provide significant performance increases for CFD Simulations in Simerics 6.1.2 software release

Simerics 6.1.2 software release includes thread pinning optimizations for running simulations faster and more efficiently on AMD workstation processors for Engineers and Naval Architects simulating Computational Fluid Dynamics (CFD) problems.

BELLEVUE, 5 March 2026 – 3D simulations provide more fidelity and proper use of current hardware architecture to improve simulation cycle times with simulation workload to specific AMD “Zen” CPU cores, users can increased accuracy on AMD hardware. By pinning threads of the Simerics expect more efficient multitasking, allowing smooth operation of other applications (i.e. CAD) on non-pinned cores while the Simerics workload runs in the background. Internal testing indicates that simulations run 25% faster with thread pinning turned on.

AMD offers these thread pinning improvements on AMD Ryzen™ Threadripper™ PRO processors for tower workstations and AMD Ryzen™ AI PRO 300 series processors for mobile and small form factor workstations. Simerics graphics are validated for smooth operation on AMD GPUs, including the powerful AMD Radeon™ 8060S GPUs that is integrated on the [AMD Ryzen™ AI Max+ PRO 395 processor](#) that powers the [HP Z2 Mini G1a Workstation Desktop PC](#) and the [HP ZBook Ultra G1a 14” Mobile Workstation PC](#). Support for integrated graphics means that Simerics users have access to powerful thin and light mobile

workstations with more VRAM (up to 96GB) than traditional mobile workstations and up to 16 Zen 5 cores for great simulation performance that rivals previous generation tower workstation performance at a fraction of the power consumption.

By working together, Simerics, Inc. and AMD have enabled users to significantly reduce the time and cost required to perform CFD simulation, leading to improved design cycle times.

"Our collaboration with AMD has enabled the delivery of comprehensive and validated CFD functionality to end users at a quarter of the cycle time price of today's CFD software," said Rich Moore, Executive Vice President, Simerics, Inc. "With AMD we are bringing an entirely streamlined workflow to CFD using thread pinning. We know that the use of modern CFD deserves the best hardware architecture from AMD and both companies help customers reduce the excessive costs of traditional CFD."

Commenting on the hardware, Michael Katz, Senior Manager of Software Development, AMD, said: "The CFD software from Simerics and its modern CFD architecture implemented Zen-aware thread pinning, enabling every engineer to use CFD more efficiently on modern AMD processors. Through the extensive development by both parties, we can make CFD Simulation software simple yet powerful to address difficult industry design questions."

About Simerics, Inc.

Simerics is headquartered in Bellevue, WA and develops Simerics-MP/MP+; Rhino Flow RT; Orca3D Marine CFD; Creo Flow Analysis; Simerics-MP CFD for Fusion; CFTurbo SMP and SimScale all leading simulation products. Simerics and our partners serve several vertical industries: Auto, Aerospace, Pumps, Valves, Compressors, Marine, Heat Exchangers, Electronics and eMotors, Turbine, Oil and Gas and general CFD problems. For more information, please contact rich.moore@simerics.com or visit www.simerics.com.

About AMD

AMD (NASDAQ: AMD) drives innovation in high-performance and AI computing to solve the world's most important challenges. Today, AMD technology powers billions of experiences across cloud and AI infrastructure, embedded systems, AI PCs and gaming. With a broad portfolio of AI-optimized CPUs, GPUs, networking and software, AMD delivers full-stack AI solutions that provide the performance and scalability needed for a new era of intelligent computing. Learn more at www.amd.com

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