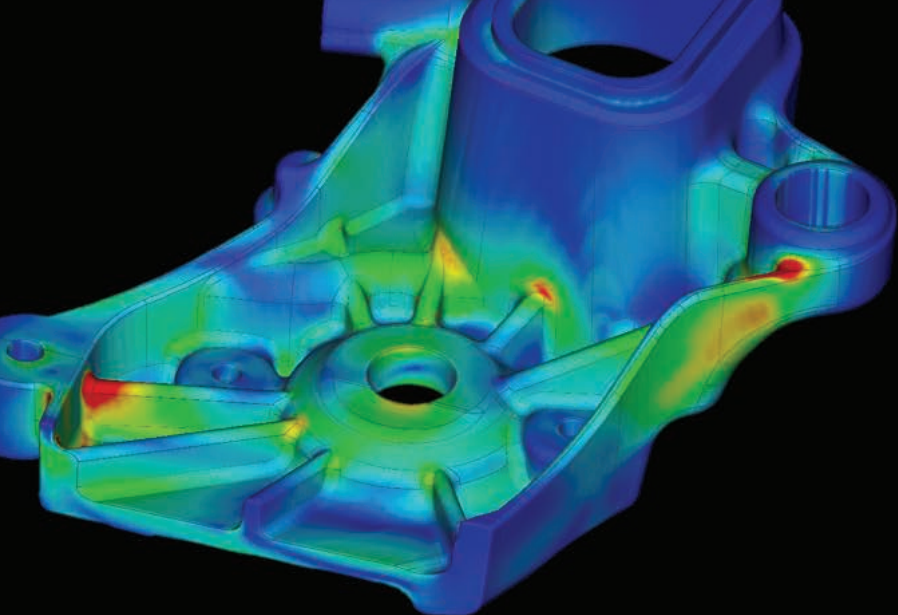
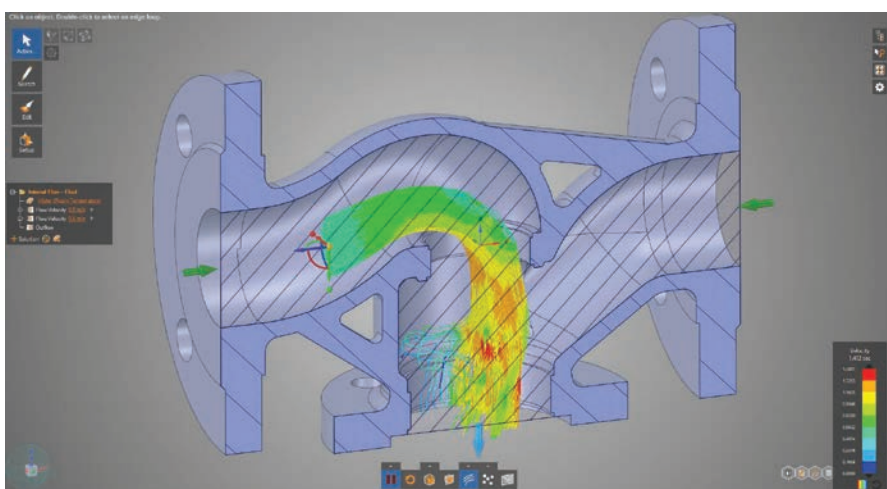




NVIDIA QUADRO ENABLING ANSYS DISCOVERY LIVE

INTERACTIVE GPU-POWERED SIMULATION

ANSYS Discovery Live's powerful combination of instantaneous simulation and direct geometry modeling gives you the ideal solution for interactive design exploration and rapid product innovation. It's powered by NVIDIA CUDA™ technology and exclusively runs on NVIDIA® GPUs to bring real-time simulation to your design workflow.



“My first impression of Discovery Live was that it seemed too good to be true. But it did just what ANSYS said it would do. Previous simulations took a few hours to a day. In Discovery Live, it took only a few minutes with our Quadro GPUs.”

William Villers,
CTO of TEN TECH LLC

NVIDIA QUADRO TECHNOLOGY UNLOCKS THE POWER OF ANSYS DISCOVERY LIVE

NVIDIA QUADRO RTX 4000

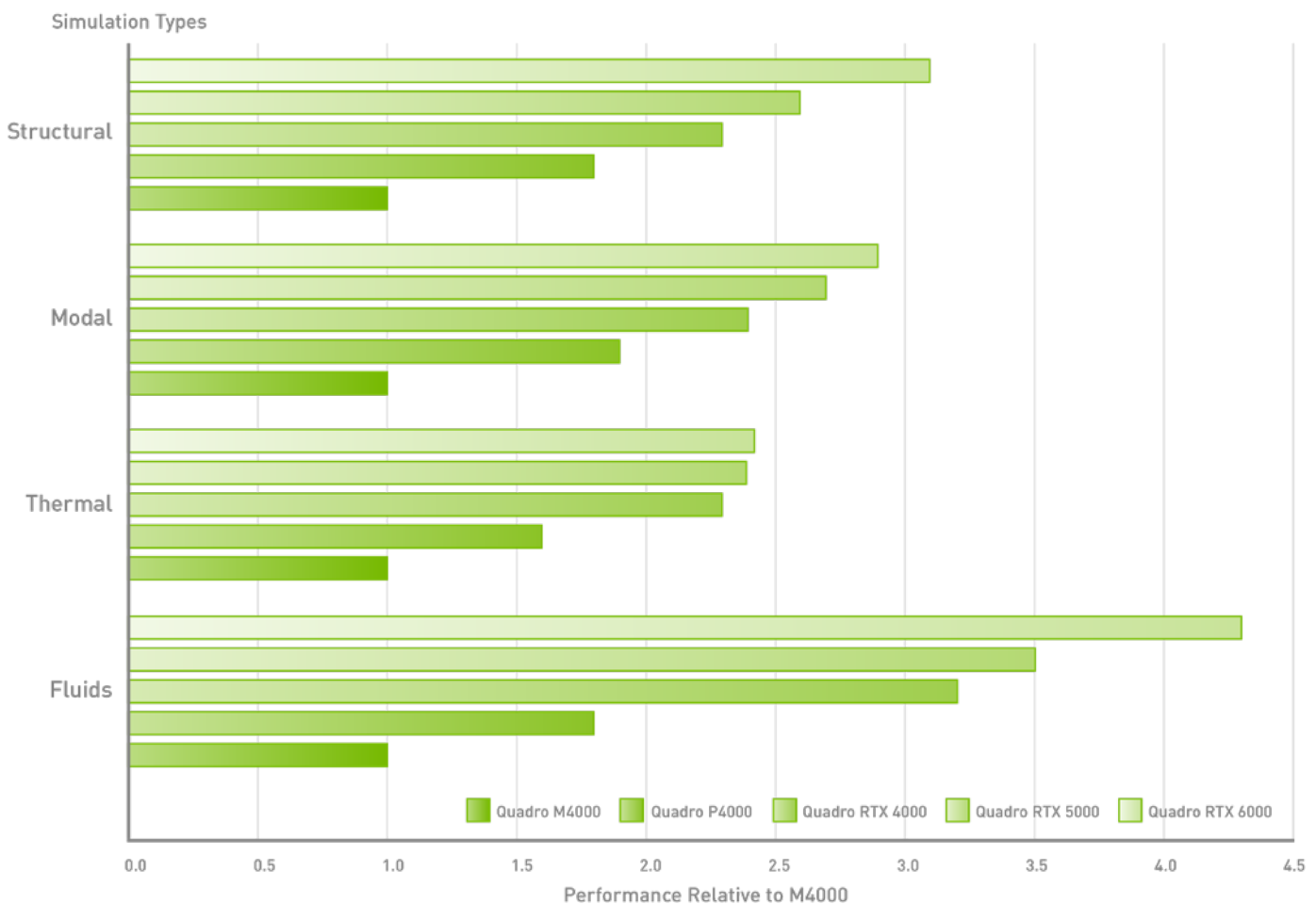
The Quadro RTX 4000 is powered by NVIDIA Turing GPU architecture and features 8 GB of high-performance graphics memory to enable an expansive visual workspace with quad display outputs. Work with larger models, simulate design modifications more quickly, render larger images, and create more lifelike VR experiences to maximize your design workflow.



NVIDIA CUDA® Cores	2304
NVIDIA Tensor Cores	288
NVIDIA RT Cores	36
Memory Bandwidth	8GB GDDR6
FP32 Performance	7.1 TFLOPS

With ANSYS Discovery Live (ADL), engineers and product designers can take advantage of NVIDIA GPU acceleration that scales up the NVIDIA Quadro product range, so the more powerful the GPU, the faster the performance and higher the fidelity. An NVIDIA GPU with a minimum of 4GB of GPU memory is required to run ADL, but 8GB is recommended, as offered in the Quadro RTX 4000 and higher.

ANSYS Discovery Live 2019 – COMPUTE SPEEDUP



Tests run on a workstation with Intel Xeon Gold 6154 3.0GHz [3.7GHz Turbo], 18 cores, 36 threads, 24.75MB cache, 64GB RAM DDR4, Windows 10 RS4, NVIDIA Driver 417.04. Performance testing completed with a range of models for each of the four simulation types available in ANSYS Discovery Live.

NVIDIA QUADRO vDWS and vWS

With NVIDIA Quadro® Virtual Data Center Workstation (Quadro vDWS) and Virtual Workstation (Quadro vWS) powered by NVIDIA Tesla® GPUs, users can access the same high-quality Quadro experience for Discovery Live from a virtual workstation or on the cloud. This frees users to work from anywhere, on any device, tackling larger data sets which remain securely in the data center.

“I was surprised at how well the results of Discovery Live matched up with the ones from ANSYS Fluent. We have seen significant time savings because of using Discovery Live.”

Andrew Hobbs, Chief CFD/DEM Engineer, Astec, Inc.

For more information about GPU-accelerated ANSYS software applications, go to www.nvidia.com/ansys.

© 2019 NVIDIA Corporation. All rights reserved. NVIDIA, the NVIDIA logo, Turing, and Quadro RTX are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. All other trademarks and copyrights are the property of their respective owners. May19

