



# AMD FIREPRO™ W5000 & W7000 WORKSTATION GRAPHICS SPECviewperf® 12 Graphics Performance



## AMD FirePro™ W7000

Exceptional application responsiveness and compute performance

- 4GB GDDR5 memory (154 GB/s)
- 1280 GCN Stream Processors
- DirectX® 11.1, OpenGL 4.2 and Open CL™ 1.2 support
- 4 x DisplayPort 1.2 outputs

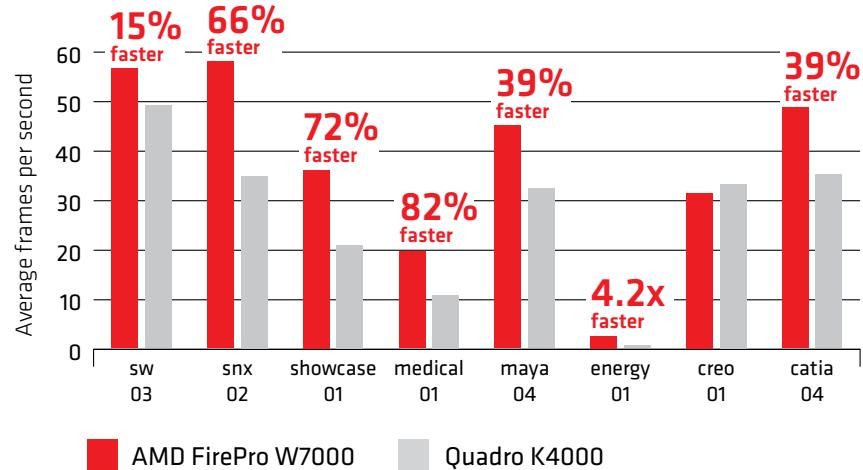


## AMD FirePro™ W5000

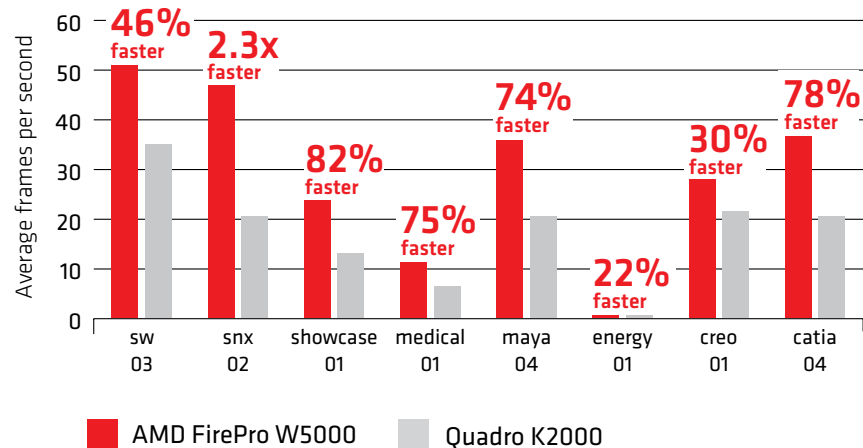
Most powerful mid-range workstation graphics card ever created

- 2GB GDDR5 memory (102.4 GB/s)
- 768 GCN Stream Processors
- DirectX® 11.1, OpenGL 4.2 and Open CL™ 1.2 support
- 2 x DisplayPort 1.2, 1 x DVI outputs

### AMD FirePro W7000 up to 4.2x faster\*



### AMD FirePro W5000 up to 2.3x faster\*



#### Catia-04

Created from traces of the graphics workload generated by the CATIA V6 R2012 application from Dassault Systèmes.

Model sizes range from 5.1 to 21 million vertices. Viewset includes numerous rendering modes supported by the application including wireframe, anti-aliasing, shaded, shaded with edges, depth of field, ambient occlusion.

#### Creo-01

Created from traces of the graphics workload generated by the Creo® 2.0 application from PTC®. Model sizes range from 20 to 48 million vertices.

Viewset includes numerous rendering modes supported by the application including wireframe, anti-aliasing, shaded, shaded with edges, and shaded reflection modes.

#### Energy-01

Representative of a typical volume rendering application in the seismic and Oil & Gas field.

Geophysical surveys generate image slices through the subsurface that are built into a 3D grid. Volume rendering gives as 2D projection or view of this 3D regular volumetric grid for further analysis and interpretation.

Makes use of hardware support for 3D textures and therefore trilinear interpolation.

#### Maya-04

Created from traces of the graphics workload generated by the Maya® 2013 application from Autodesk®.

Model size is 727.5 thousand vertices.

Viewset includes numerous rendering modes supported by the application including shaded mode, ambient occlusion, multi-sample antialiasing, and transparency.



# AMD FIREPRO™ V3900 & V4900 WORKSTATION GRAPHICS SPECviewperf® 12 Graphics Performance



## AMD FirePro™ V4900

Maximum performance for your budget

- 1GB GDDR5 memory (64 GB/s)
- 480 Stream Processors
- DirectX® 11, OpenGL 4.2 and Open CL™ 1.2 support
- 2 x DisplayPort 1.2, 1 x DVI outputs

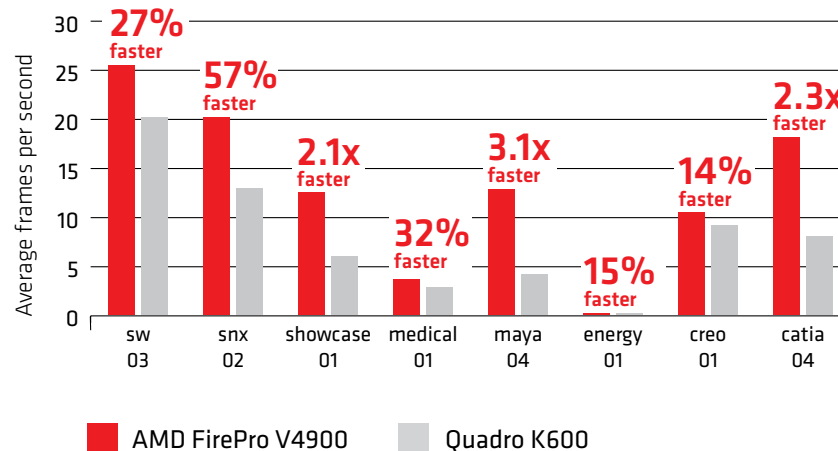


## AMD FirePro™ V3900

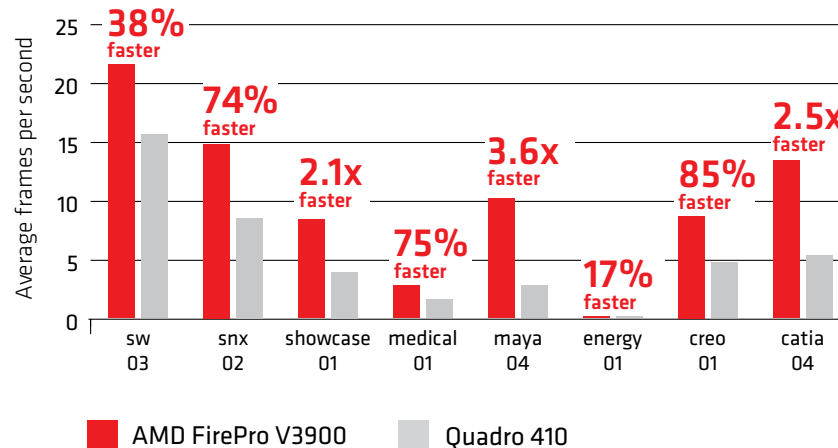
Unbeaten workstation-class experience

- 1GB DDR3 memory (28.8 GB/s)
- 480 Stream Processors
- DirectX® 11, OpenGL 4.2 and Open CL™ 1.2 support
- 1 x DisplayPort 1.2 1 x DVI outputs

### AMD FirePro V4900 up to 3.1x faster\*



### AMD FirePro V3900 up to 3.6x faster\*



#### Medical-01

Representative of a typical volume rendering application that renders a 2D projection of a 3D regular volumetric grid.

A typical 3D grid in this viewset is a group of 3D slices acquired by a scanner (such as CT or MRI).

Two datasets in this viewset - "4D heart data set (multiple 3d volumes iterated over time) and "Stag Beetle" (workload with larger memory requirement).

#### Showcase-01

Created from traces of Autodesk® Showcase® 2013 application.

The model used in the viewset consists of 8 million vertices.

Viewset is the first viewset in SPECviewperf to feature DirectX rendering. Rendering modes included in the viewset include shading, projected shadows, and self-shadows.

#### SNX-02

Created from traces of the graphics workload generated by the NX 8.0 application from Siemens PLM Software.

Model sizes range from 7.15 to 8.45 million vertices.

Viewset includes numerous rendering modes supported by the application including wireframe, anti-aliasing, shaded, shaded with edges, and studio mode.

#### SW-03

Created from traces of Dassault Systèmes' SolidWorks 2013 SP1.

Models used in the viewset consist of 2.1 to 21 million vertices.

Viewset includes numerous rendering modes supported by the application including shaded mode, shaded with edges, ambient occlusion, shaders, and environment maps.

\*System Config: Intel E5-1660 3.30GHz, 16GB RAM, Win7 64-bit SP1, AMD 13.152.4, 13.25.18.1 Nvidia 331.65, 331.82

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