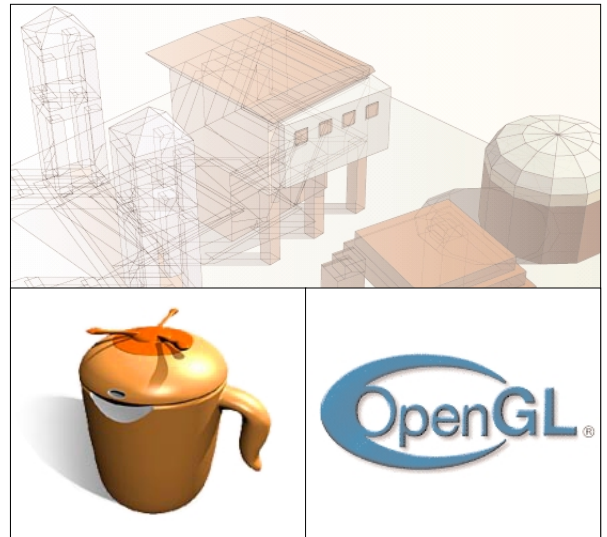




The Macintosh for 3D Design and Graphics



Now the best graphics computer is also the best 3D graphics computer—thanks, in great part, to the new Power Mac G4, with its enormous processing punch. Its performance secret is the PowerPC G4 processor with Velocity Engine, a pixel-churning chip that gives a boost to critical 3D technologies like OpenGL. That's the technology that enhances games and professional 3D graphics programs—and gives the Macintosh a whole new dimension.



Wide variety of 3D uses

Superior graphics capabilities and advanced multimedia features are not the only things that make Macintosh the ideal computer for 3D graphics. It's also one of the most stable computer platforms for the performance of complex operations. Furthermore, a vast offering of professional 3D graphics applications are already at work—producing 3D graphics of astonishing quality. In fact, Macintosh is the choice for thousands of 3D professionals who make their living in architecture, industrial design, film and animation, game design, graphics, web development, science, and engineering.

Power Mac G4 adds velocity

The Power Mac G4 was designed with 3D graphics in mind. Because processing power is the key to seeing your images quickly, the Macintosh has been significantly reengineered to maximize performance in pivotal areas of rotation and lighting effects. This level of performance makes the Power Mac G4 simply unrivaled at visualization, CAD, scientific analysis, modeling, and animation. It also boasts three easy-access 64-bit PCI slots that make it simple to expand your possibilities.

OpenGL support

OpenGL lets 3D software developers harness the power of the Macintosh to accelerate rendering, texture mapping, and special effects. OpenGL features a robust and mature 3D software library with over 250 graphics routines, like lighting and shading, texture mapping, and atmospheric effects for fog, smoke, and haze. This broad set of functions helps speed the introduction of tomorrow's 3D applications. With the ability to process 128-bit vector data through its revolutionary Velocity Engine, the Power Mac G4 accelerates OpenGL functions to serve more triangles to the 3D pipeline. This ability to analyze data and render it quickly was previously available only from supercomputers.

Intelligent operating system

The Mac OS 9 operating system hosts a number of intelligent features to enhance productivity and deliver seamless integration between many of today's 3D programs. Integration with core Apple technologies like QuickTime and QuickTime VR can help 3D designers quickly move animations and graphics into other programs or web pages. In fact, QuickTime is incredibly useful as a universal file translator, supporting over 200 different formats and instantly converting them to a wide selection of popular media types.



Solution Sheet

The Macintosh for 3D Design and Graphics

Solutions for 3D Design and Graphics

Here are just a few of the 3D design and graphics applications available for Macintosh. For a complete list, visit the Macintosh Products Guide at www.apple.com/guide.

3D Modeling and Rendering

Amorphium

Play www.play.com

Art•lantis Render

Abvent www.abvent.com

Bryce 3D

MetaCreations www.metacreations.com

Canoma

MetaCreations www.metacreations.com

Cinema 4D

Maxon www.maxon.net

DesignWorkshop

Artifice www.artifice.com

form•Z

auto•des•sys www.formz.com

LightWave 3D

NewTek www.newtek.com

MacRenderMan

Pixar www.valisgroup.com

Neoform

Formation Design Systems www.formsys.com

Ray Dream Studio

MetaCreations www.metacreations.com

Sculpt 3D

Byte by Byte www.bytebybyte.com

Strata StudioPro

Strata www.strata.com

For More Information

For more details on 3D design and graphics on the Macintosh, visit www.apple.com/creative.

OpenGL for Macintosh can be downloaded free of charge. An iMac or a Power Mac G4 is recommended for accelerated 3D rendering. Visit www.apple.com/opengl.

3D World

Microspot www.microspot.com

World Construction Set

3D Nature, LLC www.3dnature.com

Zoom

Abvent www.abvent.com

CAD and Analysis

Arc+

ACA Ltd. www.design-labs.com

ArchiCAD

Graphisoft www.graphisoft.com

ArchiDesign

BAGH www.bagh.com

CAMM-3

Roland Digital Group www.rolanddg.com

DenebaCAD

Deneba www.deneba.com

DigiCad

Interstudio www.interstudio.net

Douglas CAD

Douglas Electronics www.douglas.com

Multiframe

Formation Design Systems www.formsys.com

Multiframe 4D

Daystar www.daystarsoftware.com

VectorWorks

Diehl Graphsoft www.diehlgraphsoft.com

Vellum 3D

Ashlar www.ashlar.com

Animation

Animation Stand

Linker Systems www.linker.com

ElectricImage

Play www.electricimage.com

Infini-D

MetaCreations www.metacreations.com

Life Forms

Credo Interactive www.credo-interactive.com

mapsaVR

Squamish Media Group www.smgvr.com

MeshPaint

Positron www.3dgraphics.com

Poser 3

MetaCreations www.metacreations.com

QuickTime VR

Apple www.apple.com/quicktime

soundsaVR

Squamish Media Group www.smgvr.com

3D Animation Pro

Hash www.hash.com

Other Design/Analysis

Alchemy III

Tripos www.tripos.com

CAChe

Oxford Molecular www.oxmol.com

Graphing Calculator

Pacific Technologies www.pacificct.com

IDL

Research Systems www.rsinc.com

Maple V

Waterloo Maple www.maplesoft.com

Mathematica

Wolfram Research www.wolfram.com

Sculpt

Interactive Simulations www.intsim.com

Other Software for 3D Authors

After Effects

Adobe Systems www.adobe.com

Director

Macromedia www.macromedia.com

Inspire 3D

NewTek www.newtek.com

Media Paint

Strata www.strata.com

Painter 3D

MetaCreations www.metacreations.com

Photoshop

Adobe Systems www.adobe.com

Apple
1 Infinite Loop
Cupertino, CA 95014
408-996-1010
www.apple.com

Mac 911
19, cours LeRoyeur O. Suite 101
Vieux-Montréal, Québec
Canada H2W 1W4
T 514.282.6699
F 514.282.8787
E ventes@mac911.com
W www.mac911.com

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