

SGI® InfinitePerformance™: Scalable Graphics Compositor User's Guide Addendum

This addendum explains enhanced features of the SGI Scalable Graphics Compositor and how you can implement those features. You should use it as an information source along with your *SGI InfinitePerformance: Scalable Graphics Compositor User's Guide* (P/N 007-4489-00x) and the man page listed in this addendum.

These features are available with InfinitePerformance systems running IRIX release 6.5.18 or later. You must upgrade your operating system to use the features listed; no patch is available for earlier IRIX releases.

Dynamic Load Balancing

Dynamic load balancing can now achieve updates to graphics compositor tiling while an application is running. To implement this, use the *glXHyperpipeAttribSGIX (3G)* function call. Type **man glXHyperpipeAttribSGIX (3G)** to view the man page data.

SGI OpenGL Performer version 3.0 adds support for dynamic tiling. See the *OpenGL Performer Getting Started Guide* (P/N 007-3560-00x) and *OpenGL Performer Programmer's Guide* (P/N 007-1680-0x0) for more information on this function. The OpenGL Multipipe Software Development Kit (MPSDK) version 2.1 also provides this enhanced tiling functionality for the compositor. See the *SGI OpenGL Multipipe SDK User's Guide* (P/N 007-4239-00x) for more information.

Stereo Display Support

The compositor has a new mode available using input 0 as the right-eye data source and input 1 as the left-eye data source. The compositor output alternates between the two inputs on its video output and supplies a matching signal for the StereoView connector on the back of the compositor.

Use the *sgcombine* command to set the display mode by setting the `Initial Tiling Mode` to `Stereo`. Programs can also switch to stereo mode if you use the *glXHyperpipeAttribSGIX (3G)* function call.

The OpenGL Multipipe Software Development Kit (MPSDK) version 2.1 also integrates support for the compositor's stereo display functionality.

SGI Customer Support

SGI provides a comprehensive product support and maintenance program for its products.

If you are in North America and would like support for your SGI products, contact the Technical Assistance Center at +1 800 800 4SGI, or contact your authorized service provider. If you are outside North America, contact the SGI subsidiary or authorized distributor in your country.

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