

Genuine fractals™

2.0



Create resolution-independent images from any size file and display full-screen, full-color, interactive images on the Web

Award-winning Photoshop plug-in provides easy encoding and rendering for all RGB, Multichannel, and Grayscale images

Resolution on demand lets you output any file size from a single encoded file

Provides four methods for encoding and three rendering solutions for the ultimate in image flexibility

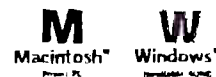
Enables you to work in, store, and transmit smaller, more manageable files

Lets you open and save both STN and FIF file formats

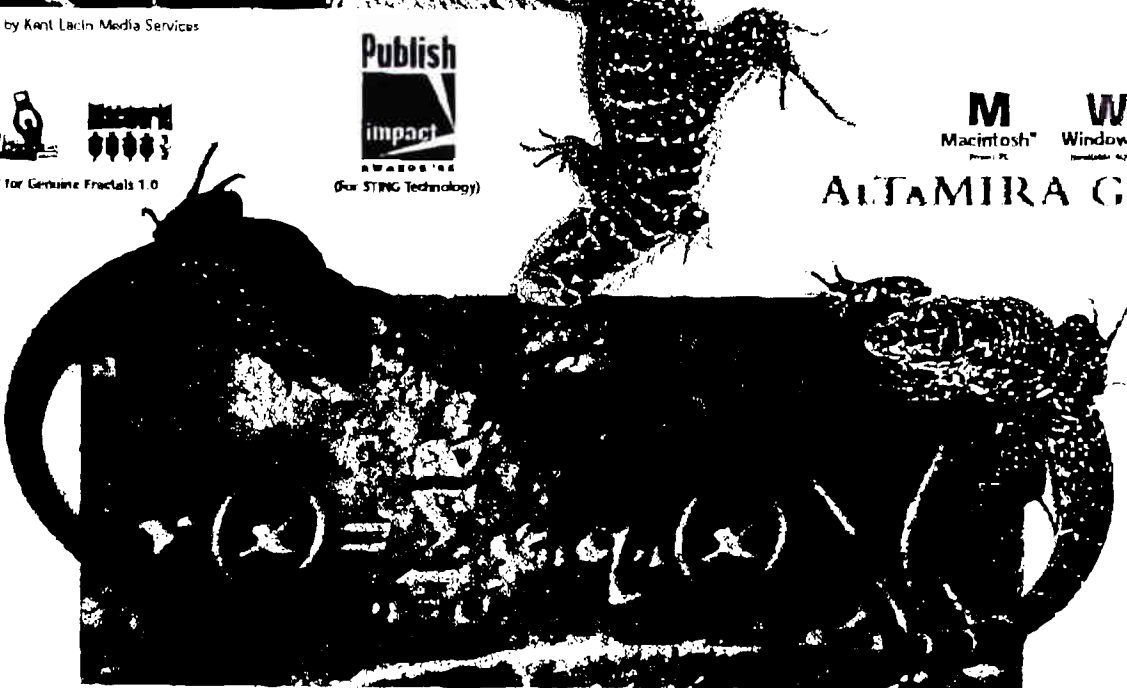
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Awards received for Genuine Fractals 1.0



ACTAMIRA GROUP



Genuine fractals™

Next Generation RGB Image Encoding and Rendering Plug-In



Breakthrough technology brings resolution on demand to Photoshop®

Genuine Fractals™ 2.0 is the award-winning plug-in for Adobe Photoshop that saves time by letting you work in medium-size original files for high-resolution output. With Genuine Fractals, it's no longer necessary to scan at the output resolution. You need only between 15MB and 40MB of RGB data to capture an image for large format output.

For example, you could scan a 4"x5" transparency at 25MB, do all your image editing at that scan resolution, then encode the image. Depending on the image and encoding option selected, the encoded file will typically be 2MB-12MB. Now, if you need to output the image at 450MB and 60MB, you can generate both resolutions from the same encoded file.

For smaller print-quality output, you can start with a 4MB-5MB original, encode to less than a megabyte, then render the image easily and beautifully to 20MB. For screen-resolution output, start even smaller. Using any of 50 Web Graphics options,

System Requirements

Macintosh

- Macintosh PowerPC
- Adobe Photoshop 3.0.4 or higher
- Mac OS 7.5 or higher

Windows

- Windows 95/NT
- Adobe Photoshop 3.0.5 or higher

Encoding Features

Genuine Fractals provides two options for encoding RGB images as STN files.

- *Lossless* encoding produces an encoded file of approximately 2:1 compression and renders the image exactly when opened at 100 percent. This option also produces the highest quality enlargements.
- *Near Lossless* encoding produces a file of typically around 5:1 compression yet still enables you to render an image back up well beyond 100 percent with excellent quality.

Genuine Fractals provides two options for encoding RGB images as FIF files.

- Pro Graphics encoding produces a file up to 10:1 compression that still produces excellent quality scaled images.
- The Web Graphics option creates even smaller encoded files from screen-resolution images that display quickly on the Web. Web designers can choose among 50 settings from Small Photographic to Tiny Impressionistic, depending on the desired picture quality and delivery speed.

Rendering Features

- New user-friendly interface displays image dimensions in inches, pixels, picas, points, lines, or dpl.
- Lets you open images in RGB or Indexed Color with a choice of Optimal, System, or Custom palette.
- Optimal Indexed Color palette picks the best 256 colors from the original RGB image.
- Displays original bitmap file size, width, and height, and the encoded stored file size.
- Constrains image proportions to maintain aspect ratio or unconstrains to distort dimensions.
- Provides a thumbnail image preview with cropping tool that lets you define and render only a cropped portion of an image.
- Gives you three rendering options from highest quality to fastest.
- Displays the image as an icon on the desktop for quick and easy recognition and ability to launch.
- Uses virtual memory and disk cache space to minimize RAM requirements when rendering.

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$$v(x) = \sum_{n=0}^{\infty} c_n q_n(x)$$

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