



New York University School of Medicine
Office of Industrial Liaison/Technology Transfer

Foveal Point

Graphics

Principal Inventors:

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Description of the Technology:

This software system implements a new technique for real-time visualization of arbitrary large images under current Internet bandwidths. Using the mouse device, a user can direct the transmission of image detail using highly intuitive operations. Unlike current visualization systems, its zooming and panning capabilities are both continuous and real-time.

Features and Benefits:

Foveal Point eliminates lengthy downloads of visual imagery with a real-time system that puts network users in control. Using technology based on the functioning of the human eye, Foveal Point intelligently sends even the largest resolution images continuously across the network according to the position of the user's mouse cursor. Instead of waiting until the entire image gradually scans into view, the viewer may start making decisions instantly according to their chosen part of the image,

Applications:

It has applications wherever large or high-resolution images must be accessed: museums or image galleries, online sales catalogs, map servers and geographical information systems (GIS) etc. In such applications, potential customers or users could easily lose interest because of current non-real-time and discontinuous visual experience.

Patent Status:

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