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Perspective Modelling for 3D Visualization of 2D Images on the Computer Monitor .

G. Sivachithambaram

Abstract - While 3D Visualization technology is still in its infancy, hardware capabilities have proposed to the point where useful, practical work can be done. However, there exist significant barriers to using 3D visualization, primarily in usability and interfaces. Our position is that to break through these barriers, research that reaches is needed in areas like User interfaces for 3D visualization, 3D visualization tools for engineers, Computer conferencing using 3-D visualization. This proposal brings together researchers with a variety of backgrounds to focus on these problems, with our various interests integrated by the 3D CAVE environment that we propose to create. The CAVE is a 3D visual computing environment that recreates space and allows the researcher to interact and visualize complex shapes in an interactive 3D environment