

SharedVTK: Shared application for 3D visualization.

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Our research group is interested in improving the interaction and visualization capabilities in fields such as medical diagnosis, architectural design, and scientific visualization, among others. One of our developments in this direction is *SharedVTK*, a shared application that uses VTK (Visualization ToolKit, by Kitware) to empower AG users with an interactive visualization of 3D objects.

We are using *SharedVTK* to support medical diagnosis from 3D objects, computed from 3D cross sections. We're also allowing several users to experience walkthroughs inside shared VRML or 3DS files. This shared application can become a shared decision-making support system for the AGTk infrastructure.

We would like to present our development in your venue. Your feedback will be very important in our current development, and it will decide priorities for future functionality.

We propose to make a sample session in which a group of architects will be able to experience a 3D walkthrough of a scene in order better understand the implications of their design decisions and point out critical aspects.

SharedVTK is available at <http://ag-mox.uniandes.edu.co> and it runs on Fedora core 6, AGTk 3.0.2 and VTK 5.0.1.

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