

Visualization Software for Immersive Virtual Reality Environment based on VR Juggler

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To analyze large scale 3-dimensional data, the modern virtual reality (VR) technology will play important roles in future simulation studies. Various VR visualization programs have been developed to date, including our original VR visualization software VFIVE. However, almost all of the previous VR software are based on CAVElib which is a de facto standard commercial library for VR environments. To overcome practical difficulties of CAVElib, we are developing a new visualization software based on VR Juggler which is an open source free software library, instead of CAVElib. Our recent development of new VR visualization software based on VR Juggler that will replace VFIVE will be reported in the talk.

Keywords: visualization, virtual reality, CAVE, VR Juggler