Gizmo and WiiView
Inexpensive Tangible Interfaces for Navigating Digital Building Models

Simple, inexpensive navigational technology for simple inexpensive architectural modeling software

- A simpler way to get around digital building models—less use of keyboard, mouse, layers, hiding, transparency, etc., etc. etc.
- Easy collaborative application
- Inexpensive, widely-used software base

Ongoing Work

- Model Exploration Task (n=4)
- Chair counting task
- Results: users did better with mouse
- Informal User Review
- Devices are attractive; most reviewers were interested
- Devices have been used with study models in preference to mouse/keyboard
- Conclusions to date
- An interesting technology which we are still exploring

Studies

- Devise better metrics
- Early users like the devices, but so far our testing doesn’t tell us why
- Refine gesture vocabulary
- Study cognitive aspects of the technology
- Experiment with WiiView as modeling tool, rather than navigational tool
- Support More Platforms
- Windows (improve), Revit, Rhino, Radiance
- Publish experimental versions as open source