




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Does Touching a Projection Augmented Model and Interacting with it using a Spatially-Coincident Device, Affect a User's Perception of its Size?

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Abstract

A Projection Augmented model (PA model) is a novel type of display. It consists of a real physical model, onto which a computer image is projected to create a realistic looking object. PA models provide their users with whole-hand haptic feedback and support spatially-coincident haptic interaction devices. This paper reports on an experiment that investigated the effect these factors have on a user's perception of the size a PA model. Results showed that touching a PA model increased the accuracy of size estimates; however using a spatially-coincident haptic interaction device had no effect.


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