

## Embodied Spatial Cognition in Tangible Computing

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**CCS Concepts:** •**Human-centered computing → Human computer interaction (HCI); Laboratory experiments;**

Additional Key Words and Phrases: Human-computer interaction, tangible interfaces, interaction design, physical computation, embodied cognition, spatial thinking, geospatial modeling

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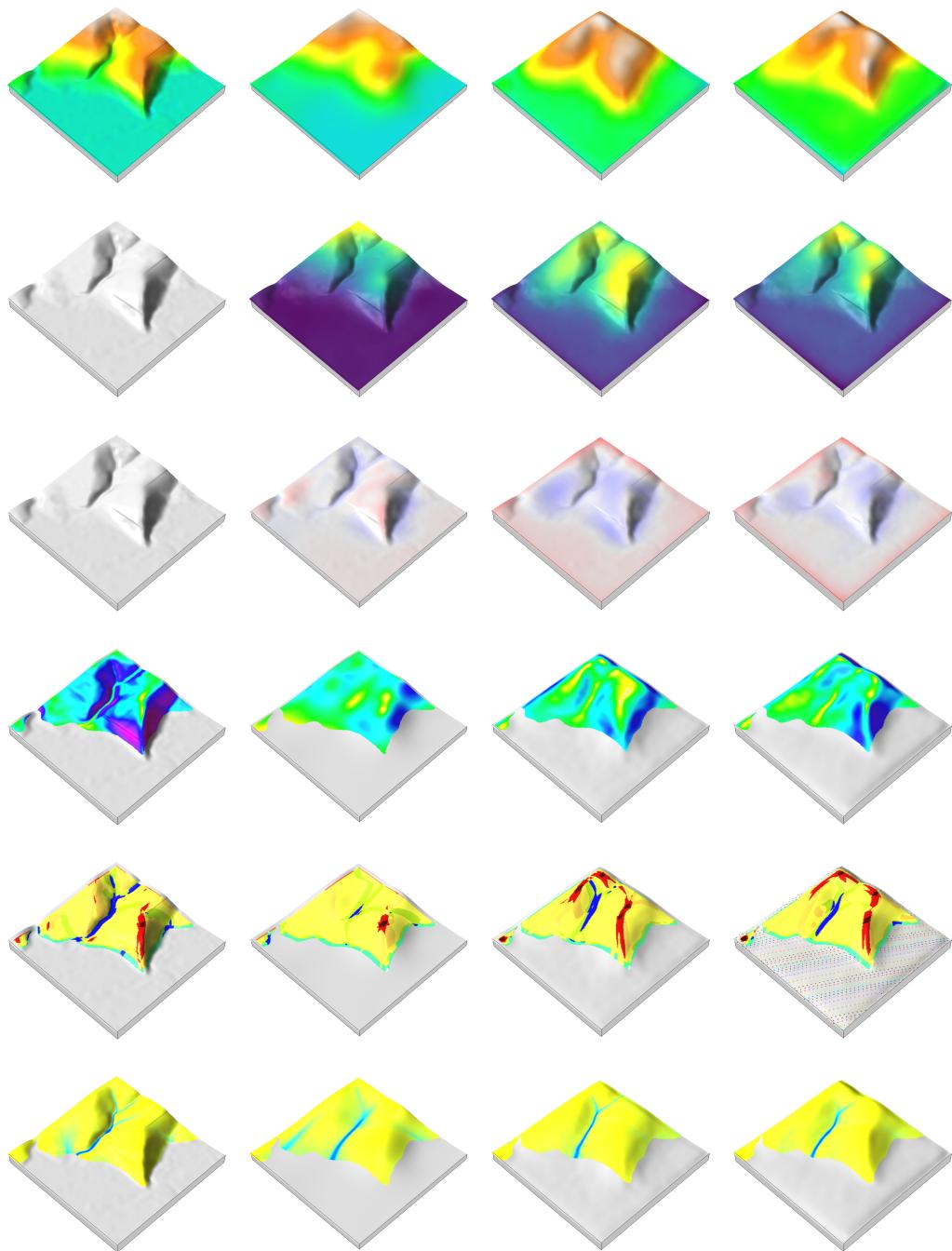
**1. FIGURES**

Fig. 1. ...

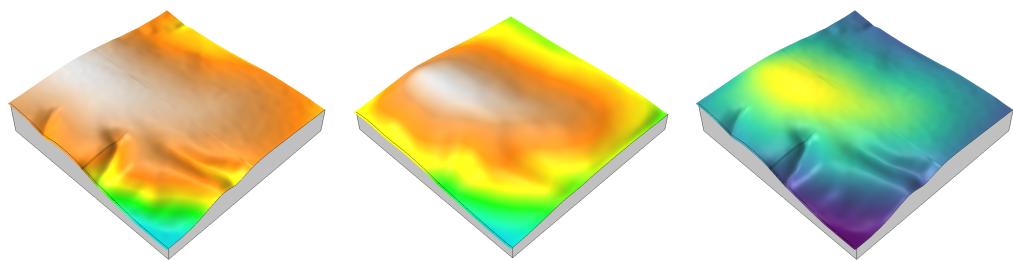


Fig. 2. Water flow experiment: reference elevation, mean elevation, and standard deviation of elevations

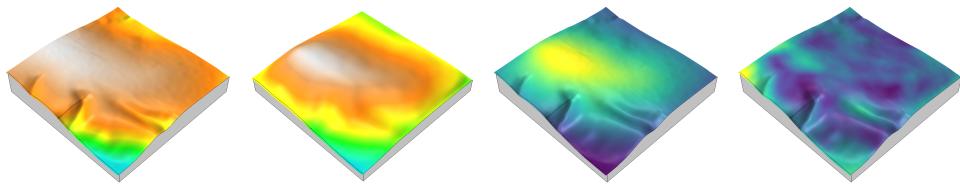
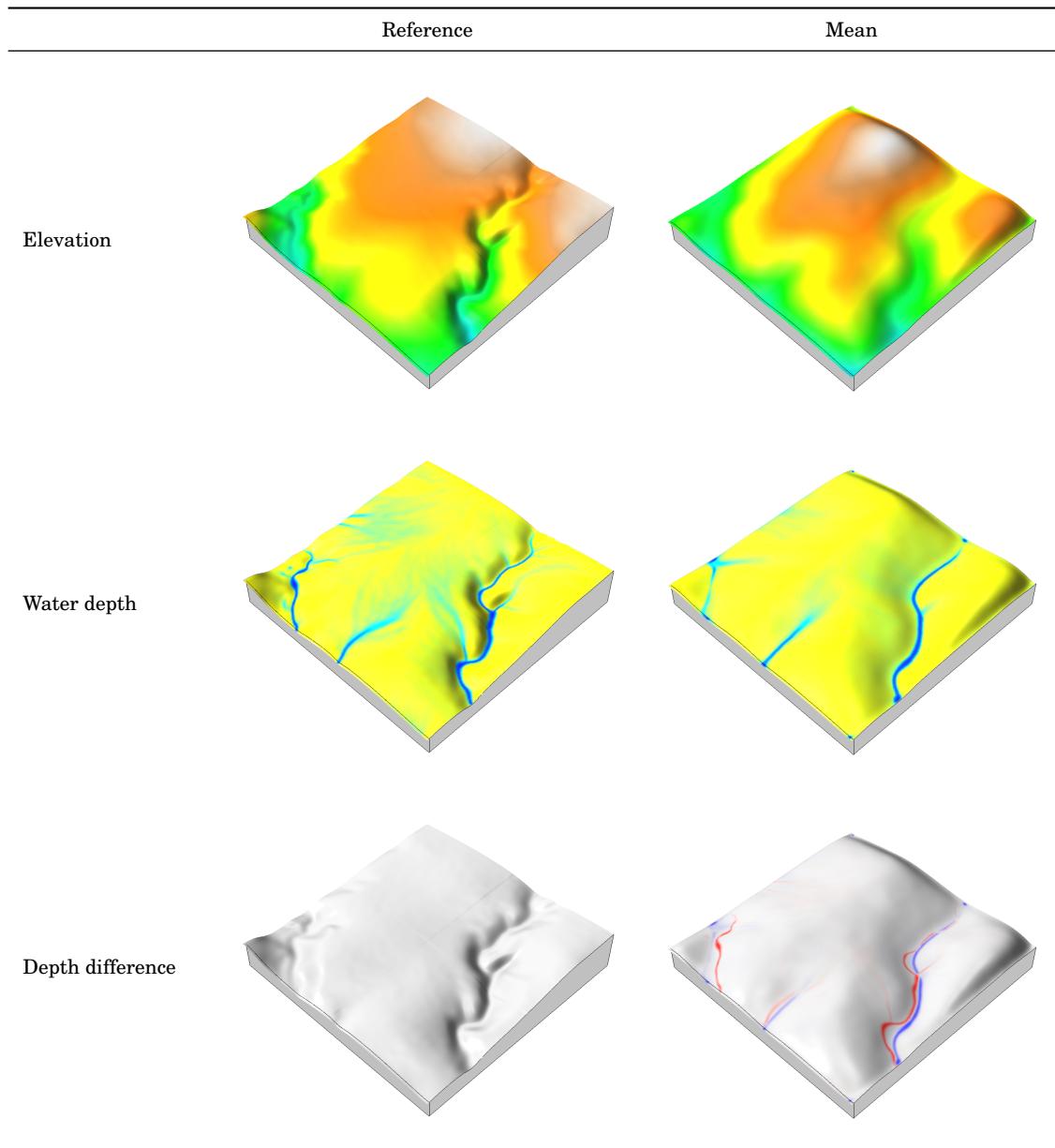


Fig. 3. Water flow experiment: reference elevation, mean elevation, standard deviation of elevations, and standard deviation of linearly regressed differences

Table I. Water flow experiment



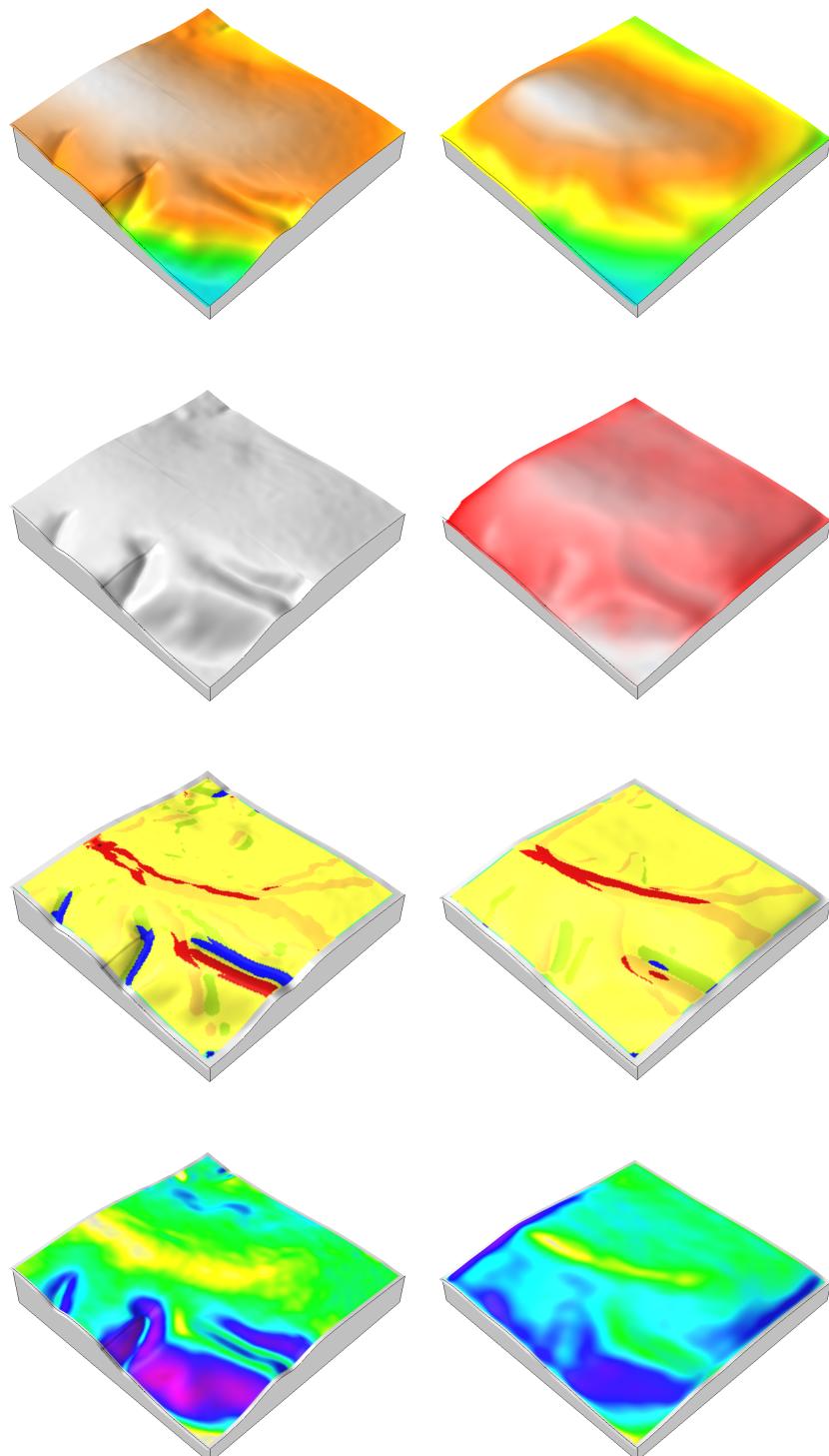


Fig. 4. Difference experiment  
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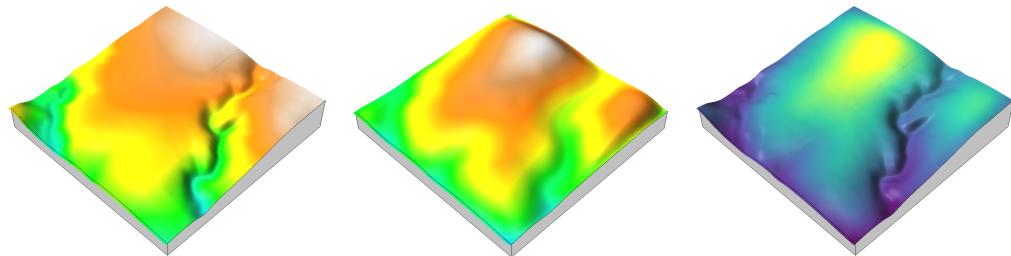


Fig. 5. Water flow experiment: reference elevation, mean elevation, and standard deviation of elevations

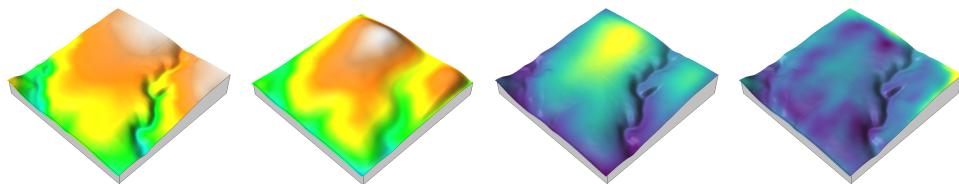


Fig. 6. Water flow experiment: reference elevation, mean elevation, standard deviation of elevations, and standard deviation of linearly regressed differences

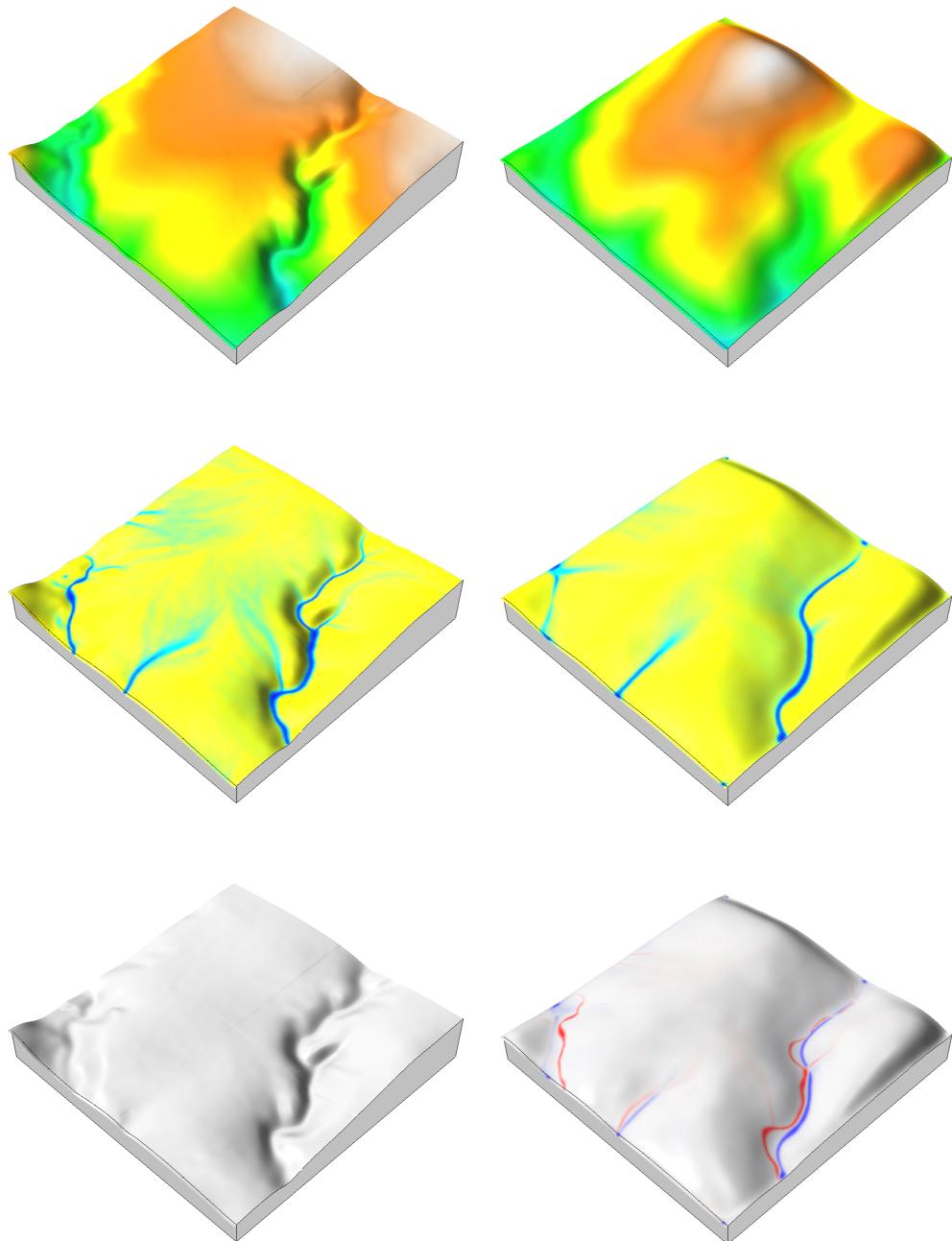


Fig. 7. Water flow experiment