

Cognitive Gulfs and Multiple Representations

Wright and Cockburn

Start with a functional decomposition of programming environments.

Three activities: Reading, Writing, and Watching

Extend Norman's Gulfs to a Multiple Notation programming context

Good for analysing effects of multiple notations for different activities

Extend Cognitive Dimensions to a Multiple Notation programming context

Good for analysing effects of multiple notations for the same activity

Finish with a comprehensive framework for analysing multiple notation programming environments.

