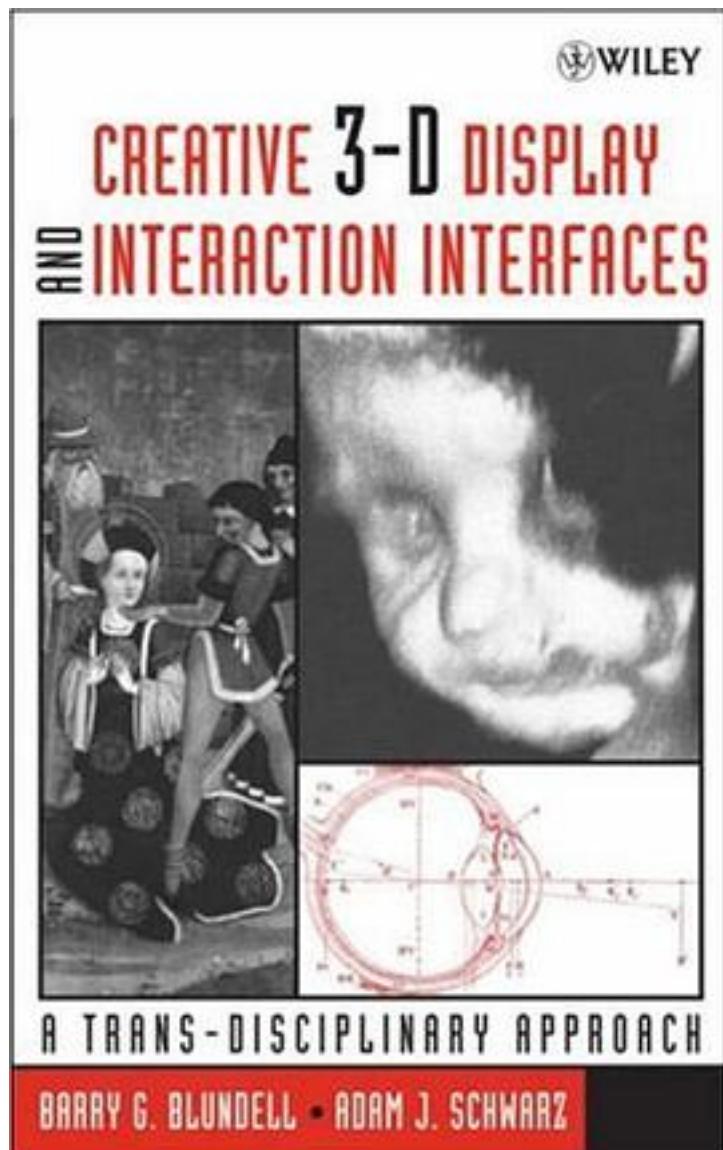


Creative 3-D Display and Interaction Interfaces



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This is a single source for key information on 3 D display and interaction. This authoritative book provides a groundbreaking, trans disciplinary approach to the creation of computer interface technologies that more naturally matches the complex needs of human sensory and motor systems. The conventional interface, though useful in the past, has started to inhibit human creativity in key areas such as creative 3 D design, medical diagnostics, and the visualization of complex structures. With the aim of effectively advancing the human computer interaction experience, this book takes a refreshing approach by bringing together a range of important disciplines within a common framework. The coverage includes: A well referenced review of aspects of the human sensory systems; detailed discussion of the evolution and development of 3 D display technologies, haptic interfaces, and interaction tools; discussion of bi manual interaction and interaction synergy; descriptions of state of the art display and interaction technologies; a review of relevant historic milestones, including key developments in image depiction before and during the Renaissance and linkage of these to current aspirations; and an extensive and wide ranging bibliography. The authors have adopted an approach that makes the material accessible, interesting, and relevant to readers in both the sciences and humanities. "Creative 3 D Display and Interaction Interfaces" represents an important work for those researching new ways of interacting with the digital world, as well as end users who want to knowledgeably ascertain the possibilities for advancing their computer interaction experience.

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