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Research in Haptic Devices

Haptics is the concept of creating the perception of Direct Touch of virtual or remote objects using Devices that simulate and display to the user the real object's physical properties (Shape, Surface Texture, Softness, Temperature etc.) .

Force Feedback Displays

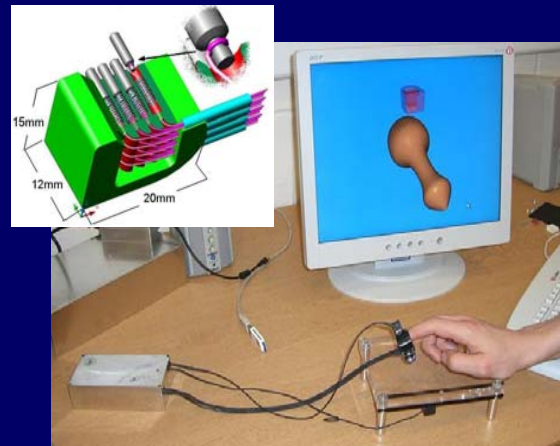
They convey object shape by displaying measured or computed interaction forces between the user's hand and the object.



7Dof Force Feedback Hand Exoskeleton

Tactile displays

They display small scale surface texture information to the skin. Mainly used on the finger tip.



Tactile Display System for 3D object exploration