

System Control

- Often considered glue of 3D UI
- Specify the "what"
- Commands are issued to
 - request system to perform a particular function
 - change interaction mode
 - change system state



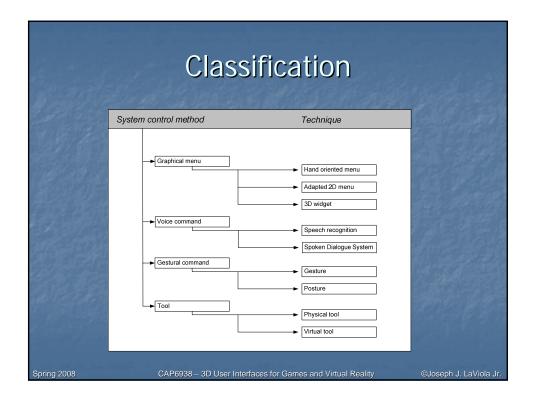
CAP6938 - 3D User Interfaces for Games and Virtual Reality

Learn from mechanical systems

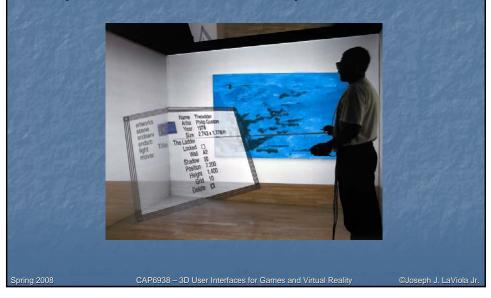
- transfer of mechanical energy/information to system
- control-body linkage
 - interaction between control device and human body

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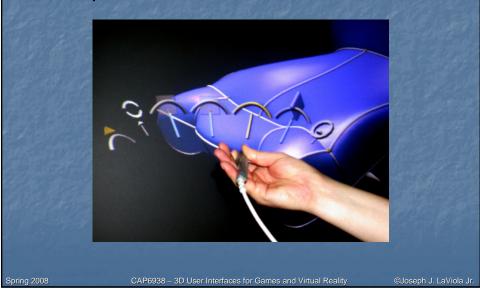
- Effectiveness of control-body linkage
 - human experience, training
 - shape and size of control
 - visual representation and labeling
 - methods of selection

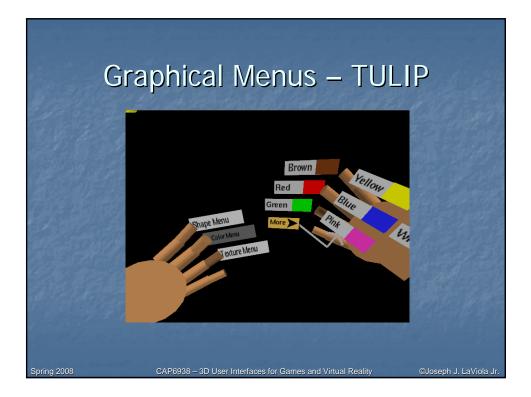


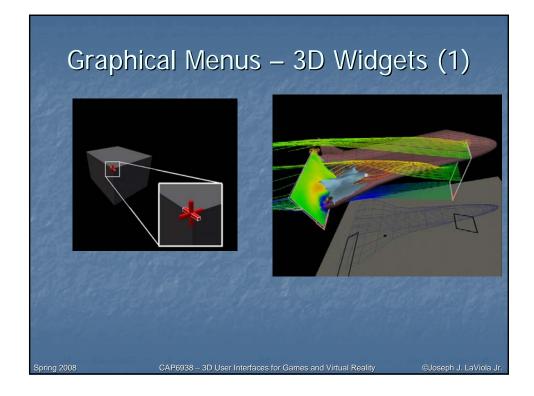
Graphical Menus – Adapted 2D Menus

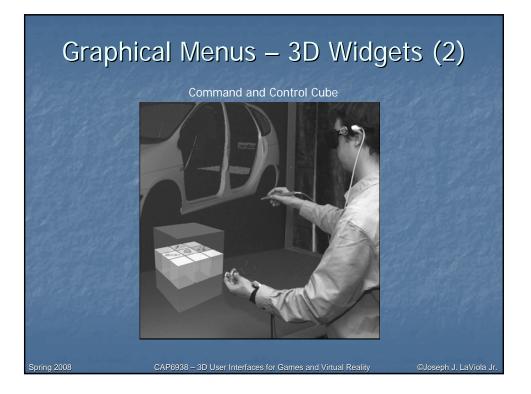


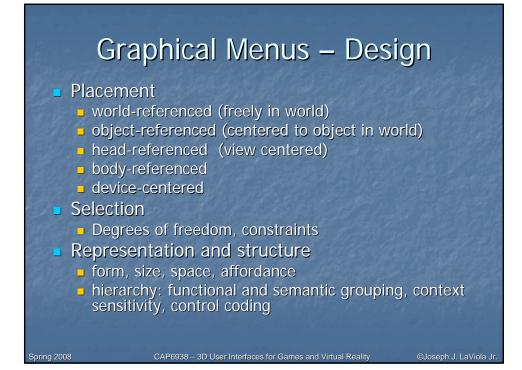
Graphical Menus – 1-DOF Menus













Gestural Commands

- One of the first system control techniques
- Posture static hand configuration
- Gesture dynamic movement





