

### 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



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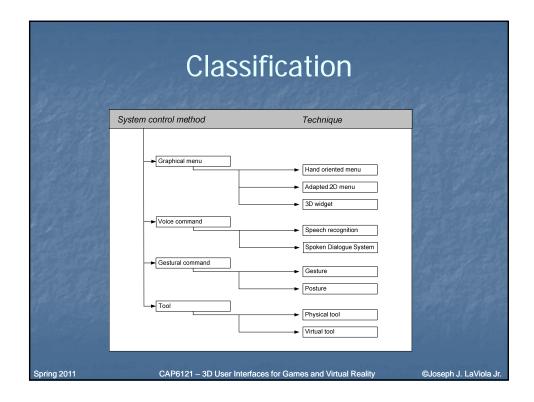
## Human Factors and System Control Learn from mechanical systems transfer of mechanical energy/information to system control-body linkage interaction between control device and human body Effectiveness of control-body linkage

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

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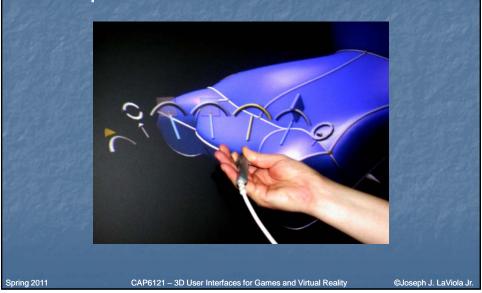
CAP6121 – 3D User Interfaces for Games and Virtual Reality

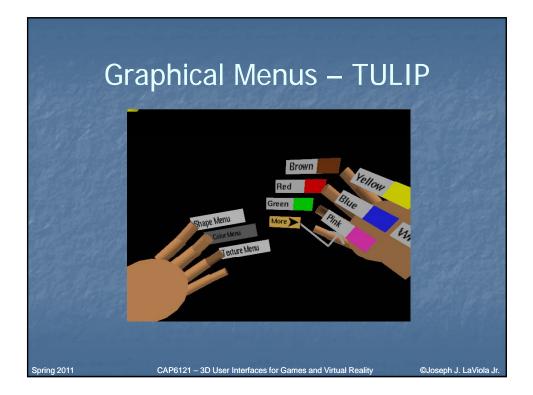
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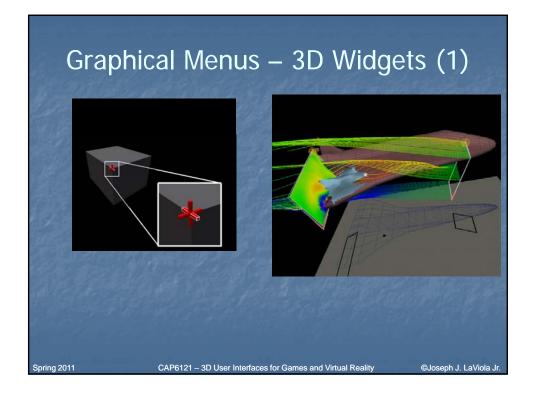


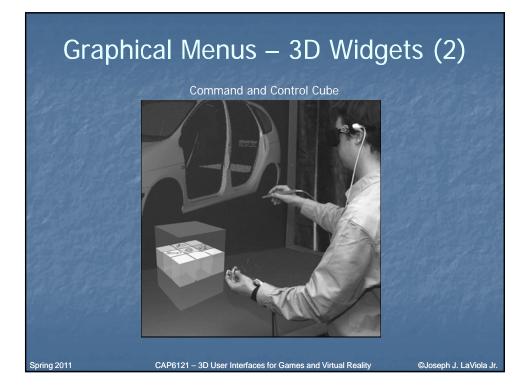
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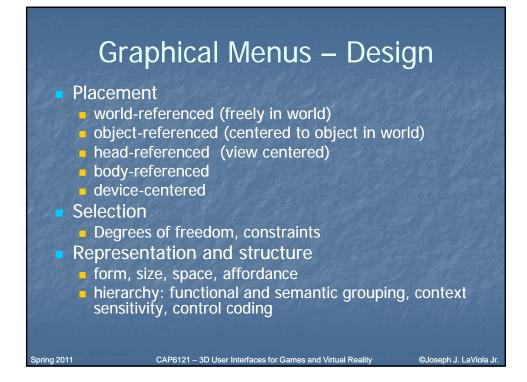
## Graphical Menus – 1-DOF Menus













## **Gestural Commands**

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



