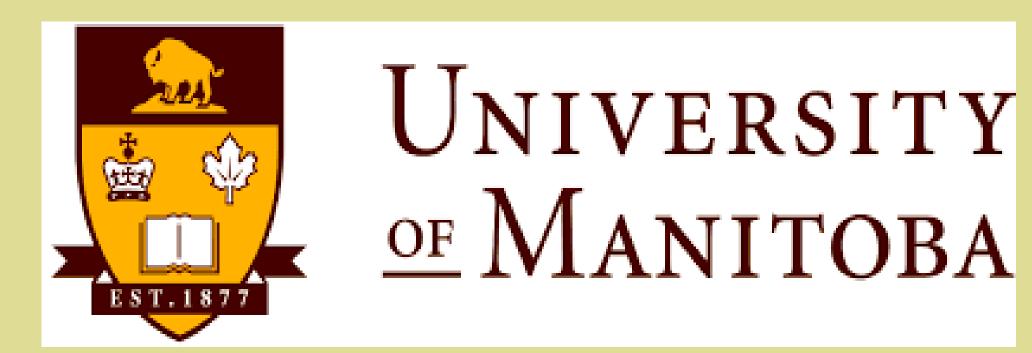
Drawing a Graph Using Body Gestures



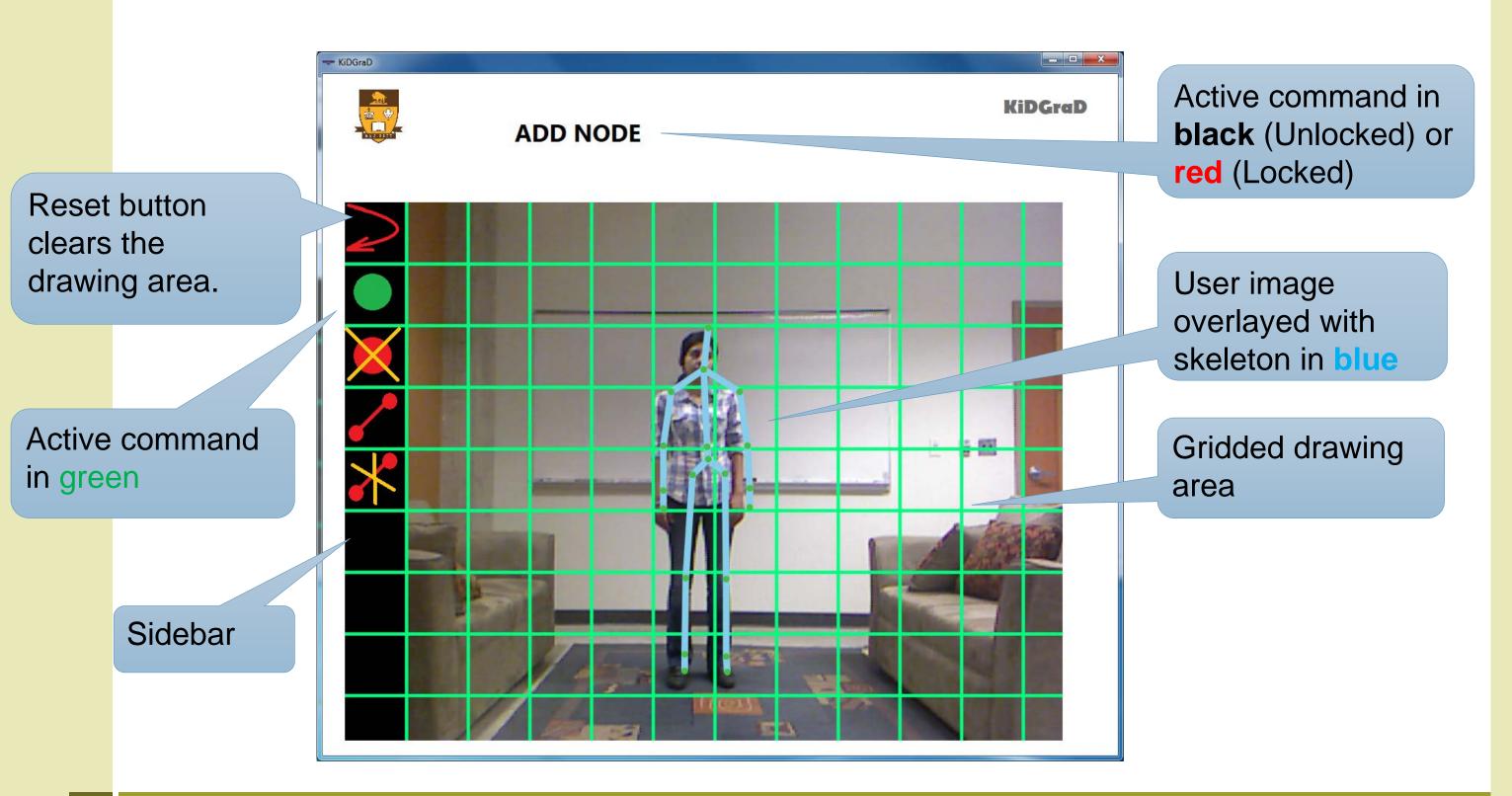
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KiDGraD

- Using Kinect to Detect skeletons for Graph Drawing
- A gesture-based user interface for drawing graphs
- Recognizes specific body gestures using the Microsoft Kinect sensor
- Evaluated a prototype implementation with a preliminary user study

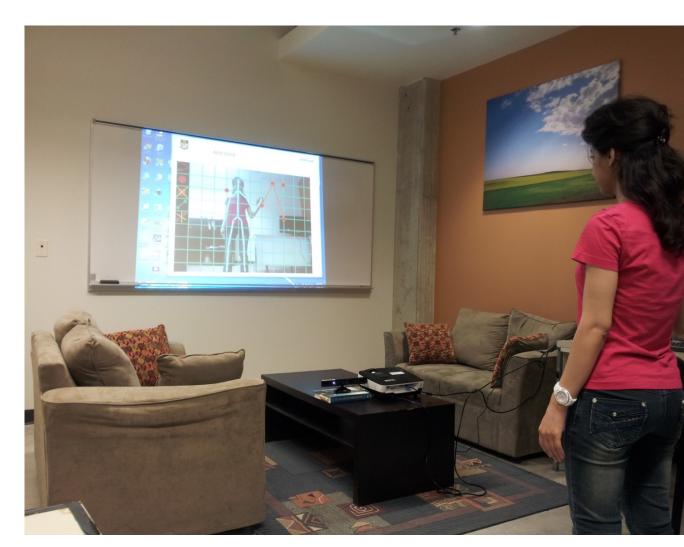
Interface



Features

- KiDGraD uses a Microsoft Kinect to recognize body positions and gestures
- Specific gestures correspond to selecting operations, adding or removing nodes, adding or removing edges, and selecting grid points.
- Users can select operations using gestures or voice commands.





Add/Remove Node Functions

Step 1: Activate the command.

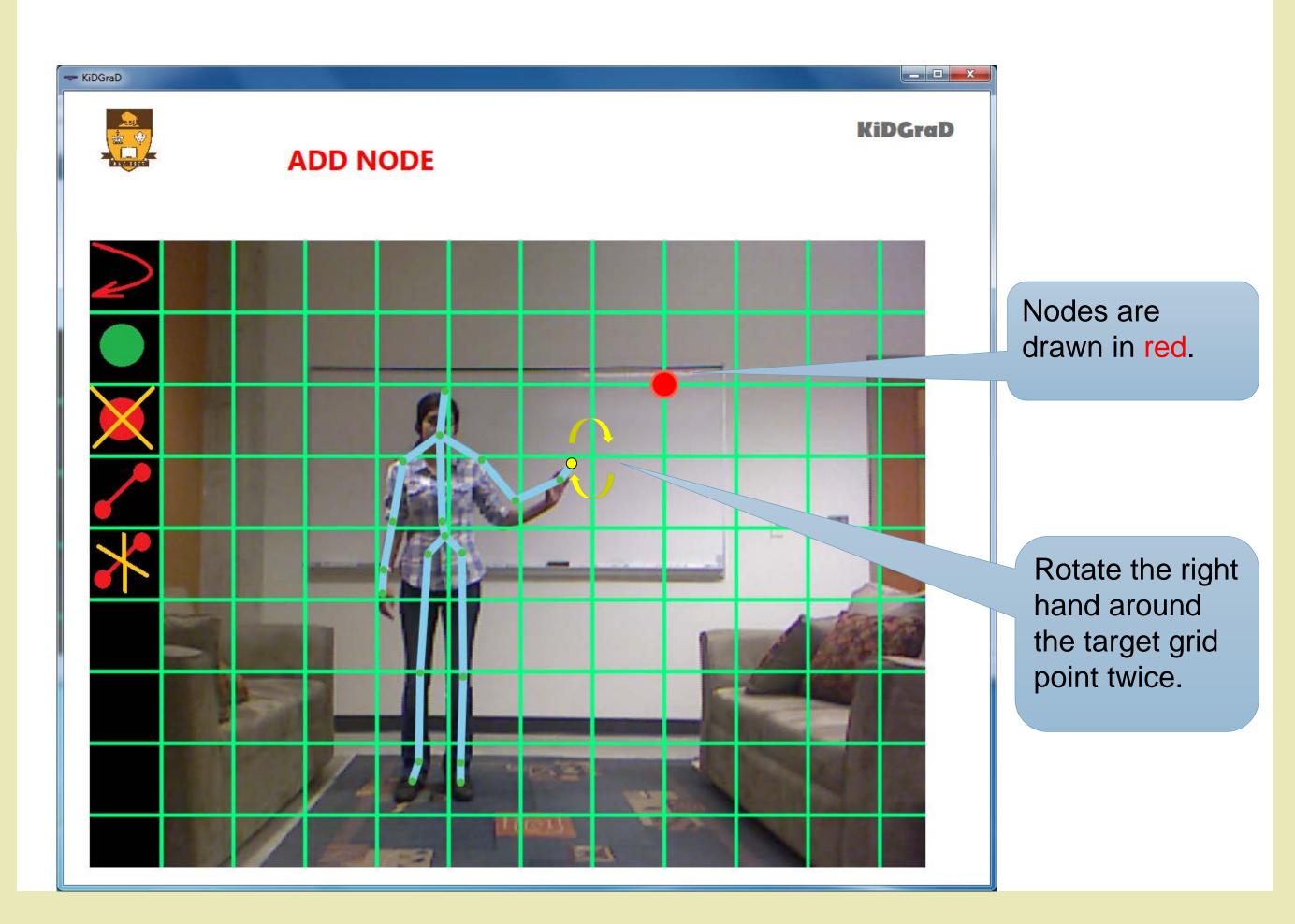


Posture for "Add Node"



Posture for "Remove Node"

Step 2: Draw / delete a node.



Add/Remove Edge Functions

Step 1: Activate the command.



Posture for "Add Edge"



Posture for "Remove Edge"

• Step 2: Choose the endpoints of the edge.

