

## User manual for PA2

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In PA2, whole interfaces work only if current sub window is 5. So, if it doesn't work, please make sub window 5 as current sub window.

### User Interface

1. Scene rotation  
In Sub window 5, if you drag with mouse left button, scene will rotate. (Actually, it works weird. I think rotation matrix is correct, but I don't know why it works weird.)
2. Scaling  
With + button and – button in keyboard, you can zoom in/out the scene.
3. Panning  
By dragging with mouse right button, scene will pan.
4. fov (field of view) change  
With arrow up and down key, you can change fov.
5. Camera reset  
Press d, camera view will reset to start view.
6. Projection reset  
Press O, camera projection will reset to orthographic projection.
7. Window resize  
It supports window resize with no camera view change.

➤ I could not do task 5.