

FMX Modelling

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Controls

The idea behind controlling the nodes is that we've a different color for the currently selected node of the model which we can change using some keys. We can rotate the currently selected node only in the direction in which it has dof. The controls are as follows:

Camera Movements

Translation

- W for movement along -ve z-axis
- S for movement along +ve z-axis
- A for movement along -ve x-axis
- D for movement along +ve x-axis
- PAGE_UP for movement along +ve y-axis
- PAGE_DOWN for movement along -ve y-axis

Scene Rotation

- UP_ARROW for clockwise along x-axis
- DOWN_ARROW for counter-clockwise along x-axis
- LEFT_ARROW for counter-clockwise along y-axis
- RIGHT_ARROW for clockwise along y-axis
- LEFT_BRACKET for counter-clockwise along z-axis
- RIGHT_BRACKET for clockwise along z-axis

Global Model Controls

Movements and rotations are w.r.t to the axis of the model

Translation

- T for movement along -ve z-axis
- G for movement along +ve z-axis
- F for movement along -ve x-axis
- H for movement along +ve x-axis
- R for movement along +ve y-axis
- Y for movement along -ve y-axis

Rotation

This is just rotating the root of the tree which is the first selected node.

Local Model Controls

Switching Models

- 1 for previous model
- 2 for next model

Switching between parts of a model

- q for prev part
- e for next part

Rotation

- K for clockwise along x-axis
- I for counter-clockwise along x-axis
- U for counter-clockwise along y-axis
- O for clockwise along y-axis
- J for counter-clockwise along z-axis
- L for clockwise along z-axis

Tree hierarchies

Bike

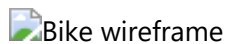


Rider



Screenshots

Bike wireframe



Bike colored



Rider wireframe



Rider colored



Rider & Bike on Track



Track