Tiny’s Controls and Milestone Help

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Camera Movement | | |  | Camera Rotation | | |
| Q  (Down) | W (Forward) | E  (Up) |  | Right Ctrl  (Roll L) | Up Arrow  (Pitch +) | Keypad 0  (Roll R) |
| A  (Left) |  | S  (Right) |  | Left Arrow  (Yaw +) |  | Right Arrow  (Yaw -) |
|  | D  (Back) |  |  |  | Down Arrow  (Pitch -) |  |

Keys:  
(Note: If you toggle Fullscreen, You won’t see any of the Window Title Data)

|  |  |  |  |
| --- | --- | --- | --- |
| Toggle  Fullscreen | C:\Users\Tiny\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\F49CB185.tmp | Toggle Infinite Perspective | C:\Users\Tiny\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\41ED478.tmp |
|  |  |  |  |
| Camera Speed Increase | C:\Users\Tiny\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\3DAEF7F2.tmp | Camera Speed Decrease | C:\Users\Tiny\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\94A60CD0.tmp |
| Camera Zoom Increase | C:\Users\Tiny\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\4BD29B5E.tmpC:\Users\Tiny\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\C2D48B7D.tmp | Camera Zoom Decrase | C:\Users\Tiny\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\4BD29B5E.tmpC:\Users\Tiny\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\936E62DB.tmp |
| Nearplane  Increase | Image result for shift key C:\Users\Tiny\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\C2D48B7D.tmp | Nearplane  Decrease | Image result for shift key C:\Users\Tiny\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\936E62DB.tmp |
| Farplane  Increase | C:\Users\Tiny\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\4C675CA1.tmpC:\Users\Tiny\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\C2D48B7D.tmp | Farplane  Decrease | C:\Users\Tiny\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\4C675CA1.tmpC:\Users\Tiny\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\936E62DB.tmp |
|  |  |  |  |
| Toggle Planet Selection | C:\Users\Tiny\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\92816D44.tmp |  |  |
| Look-At Planet | C:\Users\Tiny\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\4C675CA1.tmp C:\Users\Tiny\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\F0EC946.tmp | Teleport to Planet | C:\Users\Tiny\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\80849F8A.tmp |

**Milestone 1 Help:**

When started, you should see:  
 - Applying Applicable Color Map  
 - Infinite Skybox  
 - Use Obj2Header to generate a mesh header from a .obj  
 - Drawing Procedurally created 3D line mesh  
 - Drawing Indexed Model from file

**Applying functional directional light to complex mesh** - Press T to teleport to a planet (Mercury is Default)

**MSAA applied to rasterized geometry**  
- It should be applied to all Geometry, as I force it to use the supported MSAA from device

**Camera Position and aspect ratio are preserved when window is resized or toggled to fullscreen** -Press F11 to turn on Fullscreen

**Manually Adjust Camera Zoom Level / Near- & Far- Planes**  
- Shift + Z/X Toggles Nearplane  
 - Ctrl + Z/X Toggles Farplane\*  
 - Alt + Z/X Toggles Camera Zoom  
 \* Toggle Infinite Perspective Off with F1 (Far Plane != Inf)

**Camera Tracks moving object using Look-At/Turn-To Algorithm** - Hold Left Ctrl+F and it should look at the planet selected on window title