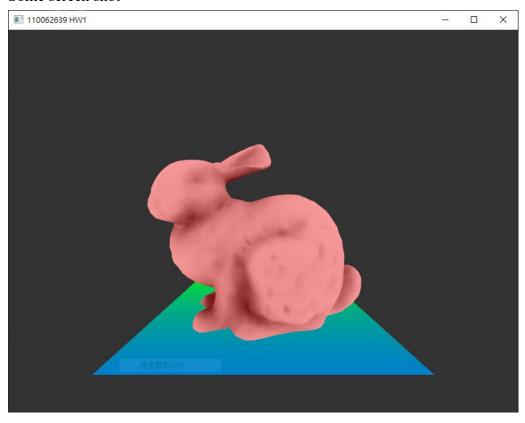
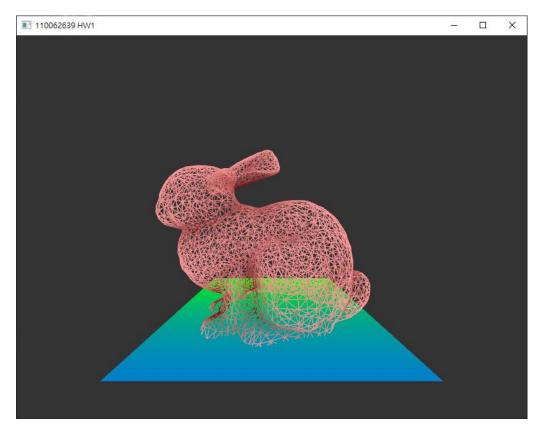
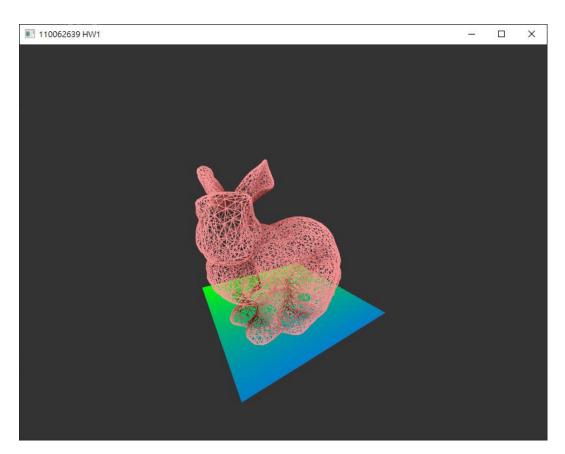
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• Some screen shot

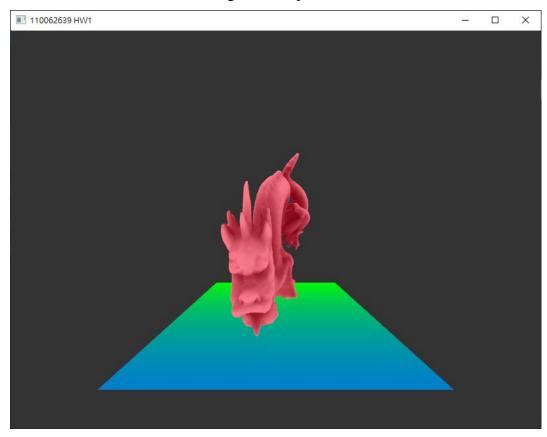




Switch to wireframe mode



Change camera position



Switch Model & rotate model

- Description of your program control instructions
 - (1) W: switch between solid and wireframe mode

if(is_draw_wire)

glPolygonMode(GL_FRONT_AND_BACK, GL_LINE);

else

glPolygonMode(GL_FRONT_AND_BACK, GL_FILL);

使用 is_draw_wire 變數決定現在是 wireframe mode 還是 solid mode

- (2) Z/X: switch the model
 - cur_idx = (--cur_idx + numbers_of_model) % numbers_of_model;
- (3) O: switch to Orthogonal projection 將課本的 Orthogonal projection matrix 寫進 void setOrthogonal()內
- (4) P: switch to NDC Perspective projection 將課本的 Perspective projection matrix 寫進 void setPerspective()內
- (5) T: switch to translation mode 将 x,y,z 方向移動的距離分別帶入課本的 translation matrix 內
- (6) S: switch to scale mode 將 x,y,z 方向移動的距離 帶入課本的 scale matrix 內
- (7) R: switch to rotation mode 將 x,y,z 方向移動的距離 帶入課本的 rotation matrix 內
- (8) E: switch to translate eye position mode 改變 camera 的 position 再執行 void setViewingMatrix()。
- (9) C: switch to translate viewing center position mode 改變 camera 的 center 再執行 void setViewingMatrix()。
- (10) U: switch to translate camera up vector position mode 改變 camera 的 up vector 再執行 void setViewingMatrix()。
- (11) I: print information 將每個 matrix 的值 print 出來
- Other special things you have done

按一下y或Y會自動對y軸旋轉,再按一次y或Y取消自動旋轉。