Lab 17 PROTO Library

Exercise  Let’s make a new VRML world using PROTOs in the library at http://accad.osu.edu/~pgerstma/protolib/index.html. You will contain at least three different EXTERNPROTOs in your source code to use this library. Here is the example you can take a look. This example uses one EXTERNPROTO.

Please submit your vrml files after you done: submit cmps080v-ap.f05 lab17 file1 file2 ...

```wrl
#VRML V2.0 utf8
#CopyExample.wrl
#This is an example to show how to use the PROTO library.

EXTERNPROTO Copy [  
  field SFInt32 copies  
  field SFVec3f center  
  field SFVec3f translation  
  field SFVec3f scale  
  field SFRotation scaleOrientation  
  field SFRotation rotation  
  field MFNode children  
]  
"http://accad.osu.edu/~pgerstma/protolib/Copy/CopyPROTO.wrl"

NavigationInfo {  
  type [ "EXAMINE" "ANY" ]  
  headlight FALSE  
}

Copy {  
  copies 5  
  center 0 0 0  
  translation 1.5 .3 0  
  rotation 0 0 1 .17  
  scale .75 .75 .75  
  children [  
    Transform {  
      rotation 1 0 0 .51  
      translation -4.5 -.5 -.5  
      scale .75 .75 .75  
      children [  
        Inline { url  
          [ "http://accad.osu.edu/~pgerstma/protolib/Copy/colorCube.wrl" ]  
        ]  
      ]  
    }  
  ]  
} 
```