
Panda3D



Hello Panda!

Install

Installation process was easy, just required to install some dependencies. There are compiled versions for: Linux, Windows and Mac OSX.

Hello Panda basic code

```
from direct.showbase.ShowBase import ShowBase
```

```
class MyApp(ShowBase):
```

```
    def __init__(self):
```

```
        ShowBase.__init__(self)
```

```
app = MyApp()
```

```
app.run()
```

Loading the Scene Graph

```
# Load the environment model.
```

```
self.environ = self.loader.loadModel  
("models/environment")
```

```
# Reparent the model to render.
```

```
self.environ.reparentTo(self.render)
```

```
# Apply scale and position transforms on the  
model.
```

```
self.environ.setScale(0.25, 0.25, 0.25)
```

```
self.environ.setPos(-8, 42, 0)
```

Adding a Task

```
# Add the spinCameraTask procedure to the task manager.
```

```
self.taskMgr.add(self.spinCameraTask,  
"SpinCameraTask")
```

```
# Define a procedure to move the camera.
```

```
def spinCameraTask(self, task):  
    angleDegrees = task.time * 6.0  
    angleRadians = angleDegrees * (pi / 180.0)  
    self.camera.setPos(20 * sin(angleRadians), -20.0 *  
cos(angleRadians), 3)  
    self.camera.setHpr(angleDegrees, 0, 0)  
    return Task.cont
```

Models file format

.egg

Collada (.dae) files can be used and converted with different tools installed with Panda.
(dae2egg, pzip, punzip).

Demo and Thanks

