

Assignment 6
Due October 17

Do the following exercises from Chapter 5:

5.1, 5.2, 5.3, 5.6, 5.7, 5.17, 5.20

Write a program that approximates a sphere by using quad strips and triangle fans.
HINT: Polar coordinates are a good choice for this assignment.

$$x = r \cos \theta$$

$$y = r \sin \theta$$

$$r^2 = x^2 + y^2$$

$$\theta = \arctan \frac{y}{x}$$

Write a program showing one object moving around another.