

NTUST: 2020 Advanced Computer Graphics

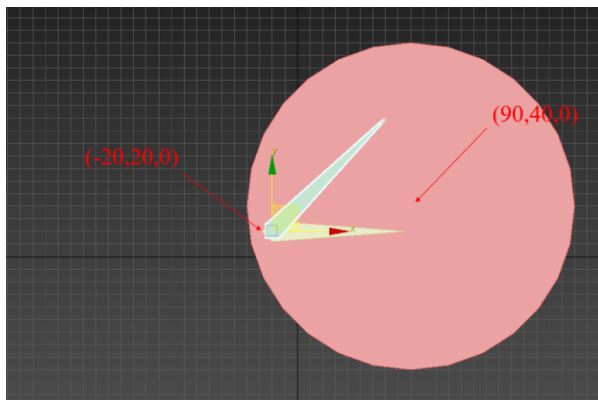
Homework#2: Write a program to a “clock” animation (with hour and min hands only)

Date Due : 2020. Nov. 3rd, PM11:55 (around 2 weeks)

Please upload to Moodle, <http://moodle.ntust.edu.tw/>

Description :

1. Write or modify a program to show an animation with rotating hour and minute hands at right positions.
2. In this sample, the center of clock body is (90, 40, 0). Initially, hour and minute hands are not on correct positions, and their rotation centers are at (-20, 20, 0) along z-axis. Please move their rotation centers to align on the center of clock body, and then make an animation by rotating hour and minute hands separately. Hint: the speed of minute hand is faster (60x) than hour hand's.
3. You need to hand in **program (source code** with brief comments) only: python program is preferred. And upload all data to moodle by due 2020. Nov. 3rd, PM11:55. (zip all materials in advance if necessary)
4. Score evaluation: Program is able to show rotating hour and minute hands along the center of clock body (100%).



Hint:

If you prefer C/C++ or other program languages, please provide source code and execution file (.exe), and make sure it is a released version and able to run on any other computers without dependency. And all vertexes and triangle index are also provided as in clock2D_FYI.obj file.

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