

CNG477 HW2



MIDDLE EAST TECHNICAL UNIVERSITY
NORTHERN CYPRUS CAMPUS

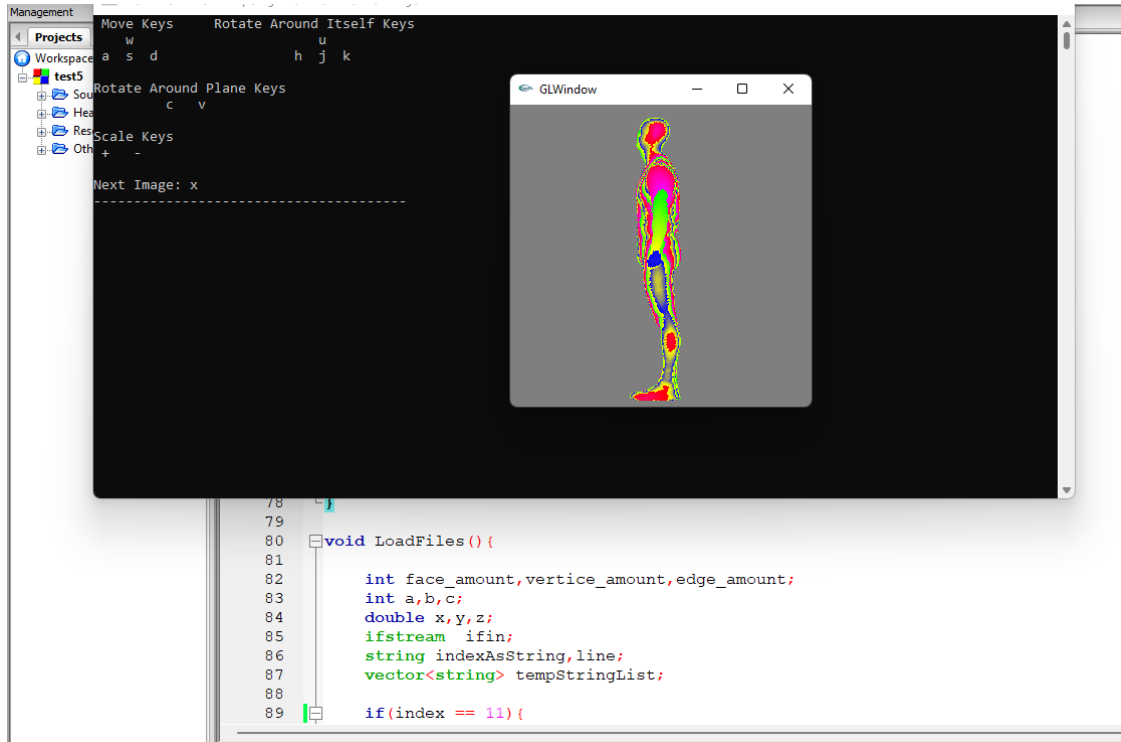
Season: Spring 2022

Student1: Berk Bekir Baran 2385193

Student2: Yavuz Erbaş 2243426

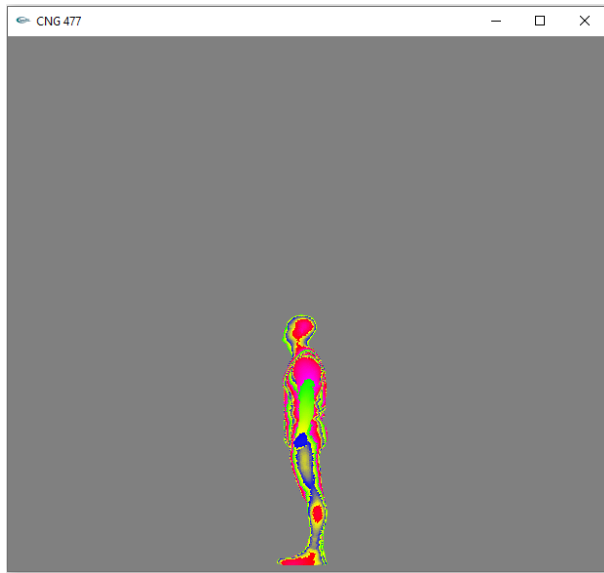
NOTE: Couldn't implemented GPU part and GUI :(

- **ORIGINAL**

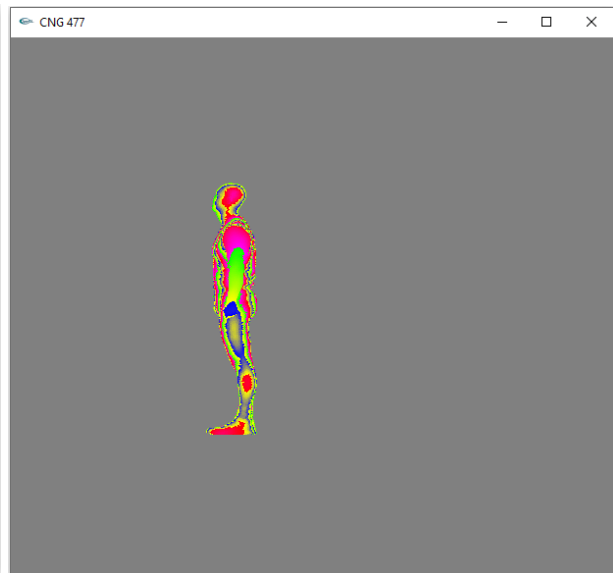


- **Translation**

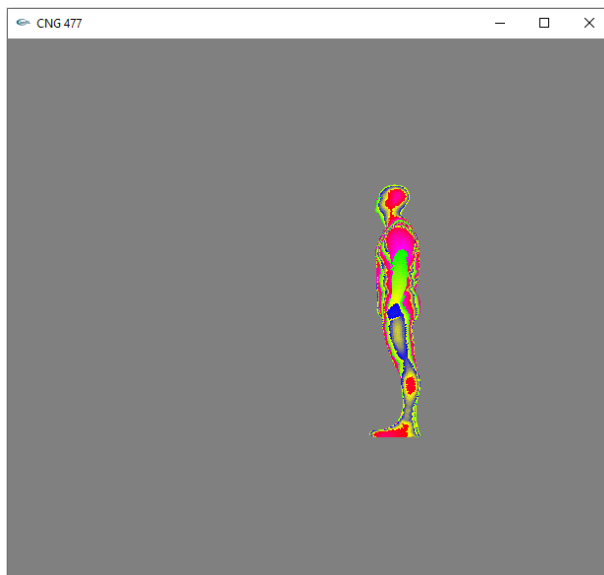
MOVE DOWN



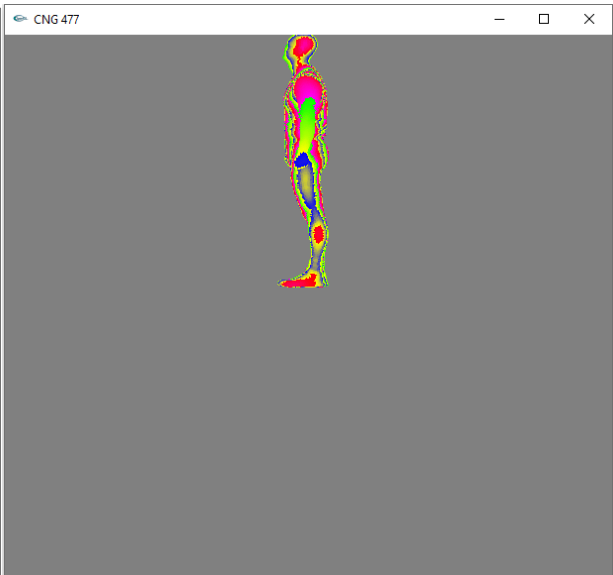
MOVE LEFT



MOVE RIGHT



MOVE UP



- **Rotation around an axis parallel to x-axis, y-axis, and z-axis**

ROTATE UP

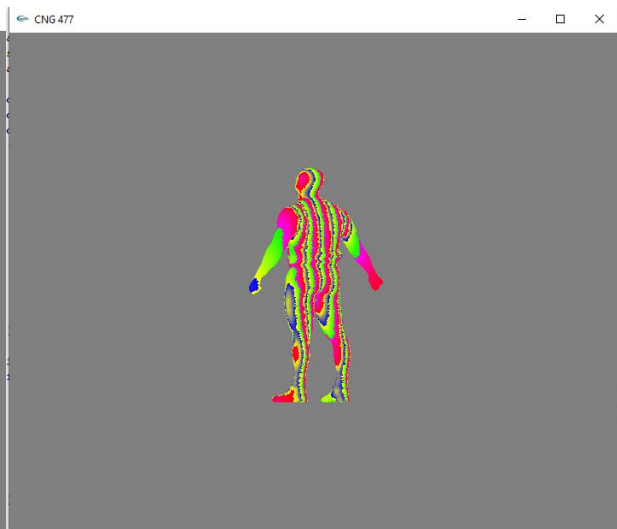
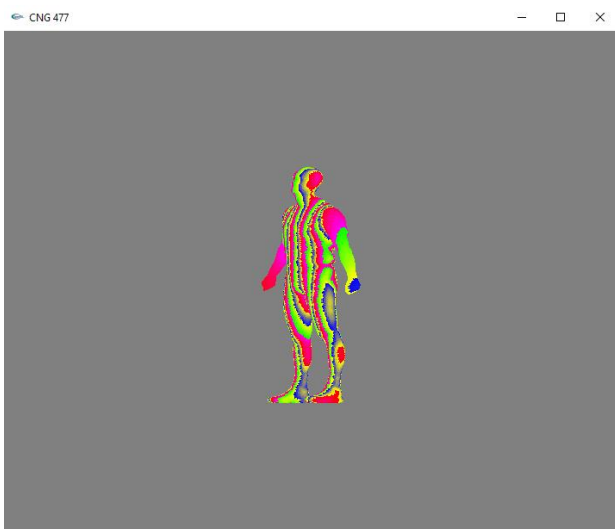
ROTATE DOWN

(note: in order to view properly rotated in left and right too)



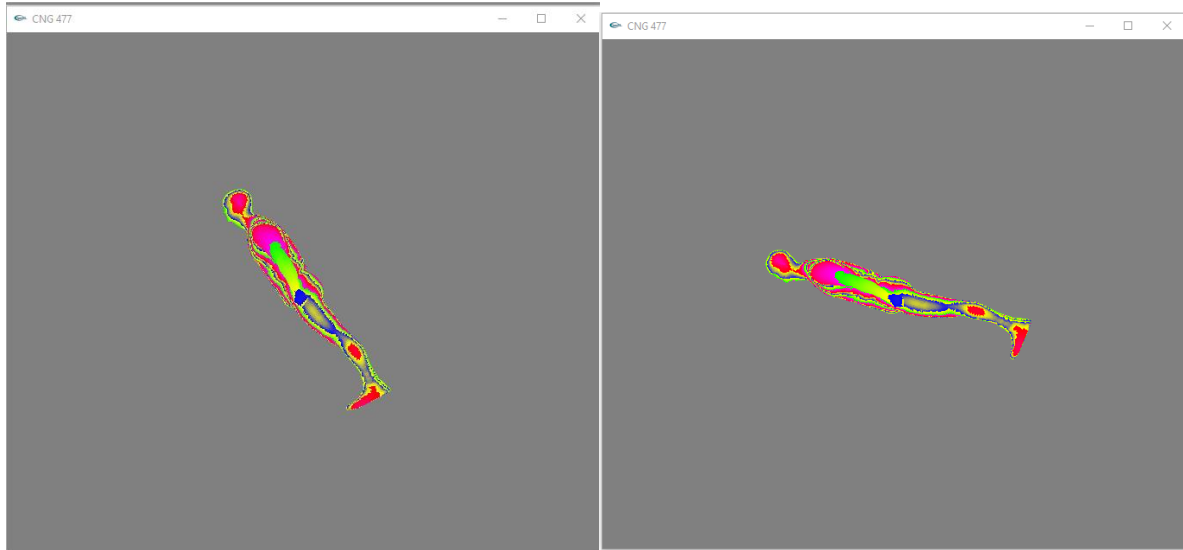
ROTATE LEFT

ROTATE RIGHT

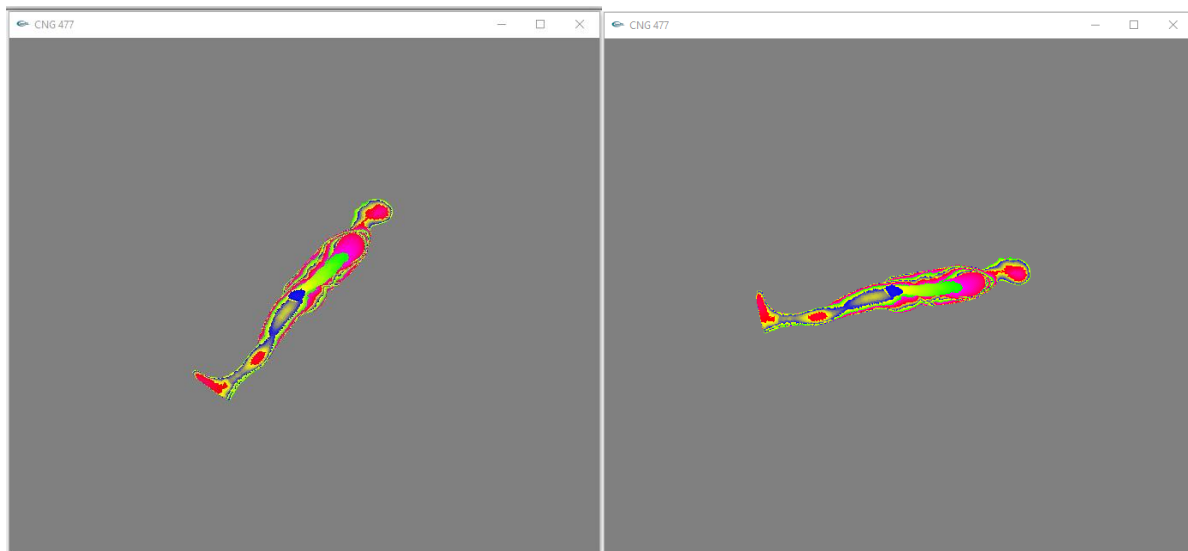


- **Rotation around an arbitrary axis**

ROTATE LEFT ON AXIS

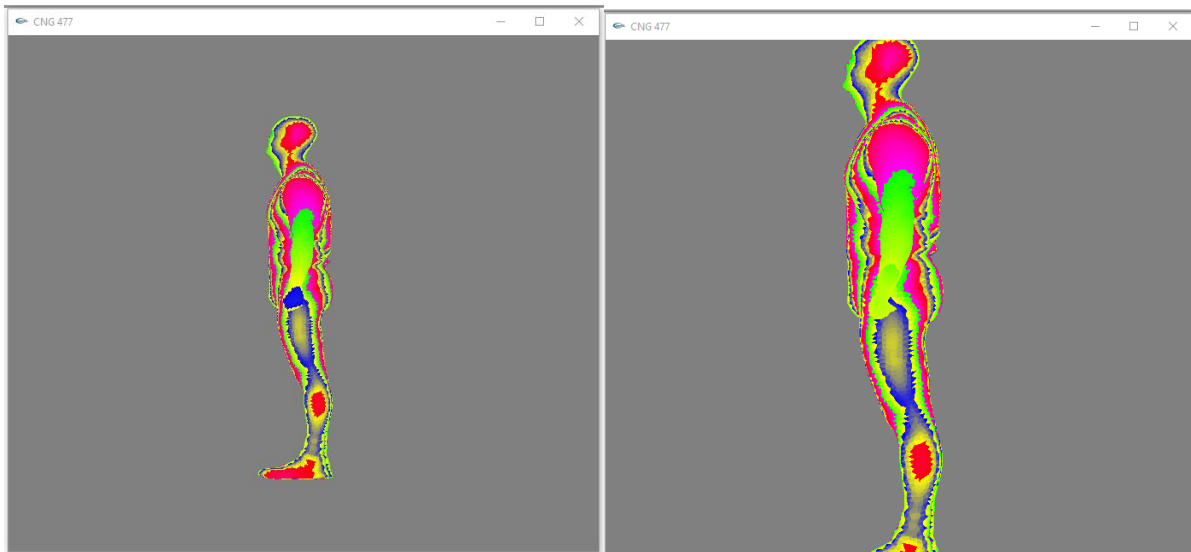


ROTATE RIGHT ON AXIS

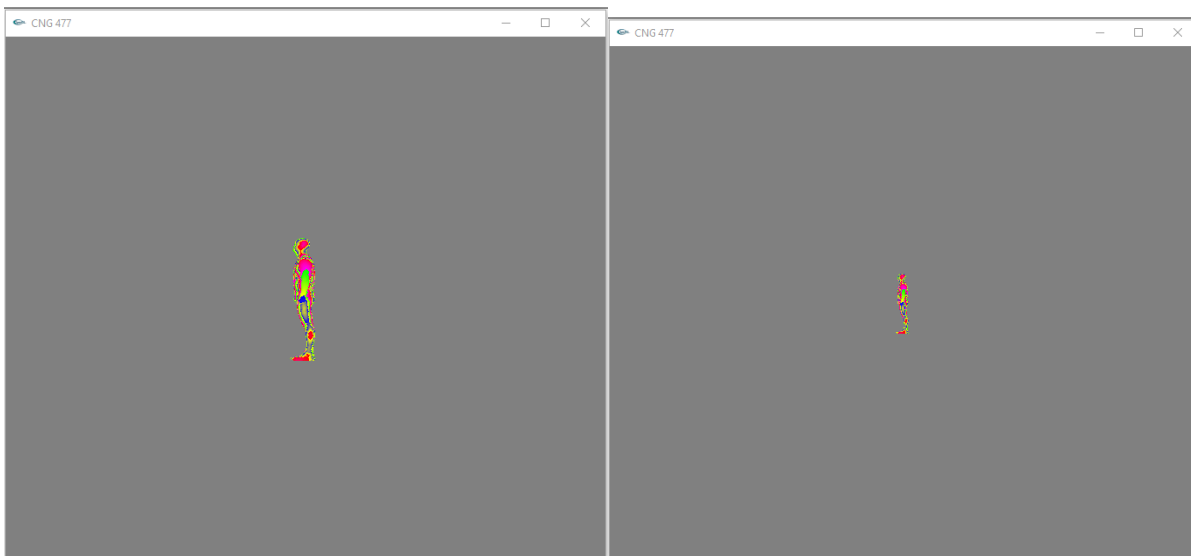


- **Scaling w.r.t. a fixed point**

SCALE UP



SCALE DOWN



EXTRAS

