GAV Assignment 2 Observations

Q2 c)
- Both image qualities are identical
- Both Gpu and Cpu produced frame rates of around 47

- Preprocessing :
1. All points in slice are needed to be sent for cpu but for gpu only 4 corner points are needed
2. Similarly indices for all points are needed in cpu and indices for corner points are needed in Gpu
3. Triangulation is not needed in Gpu but it is required in Cpu

Q3e)
- Isocontour:
1. Cpu image is more accurate as compared to Gpu since floating point value slightly approximated for points whereas In cpu accurate scalar values are used
2.
- Isosurface :
1. Image qualities of Cpu and Gpu are almost identical
2. Triangulation need to be performed once for cpu , for gpu triangulation is performed everytime .
3. Framerate for cpu is 11 and for gpu is 0.55