Rasterization Scan Line

2021/06/02

1

Intepolating color

(Continue with your previous lab project)

Now you need extra data storage to store the color for each vertex

- Assign a random color for each clicked vertex, each polygon vertex should have different color (10%)
- Rasterize all edges with interpolated colors - 30%
- Rasterize the polygon with interpolated colors – 40%

- Submit your files (10%)

Finish all function in Lab class get extra 10 points
Submit your code, pdf, demo video before 6/7 midnight

2

Crow's Scan Linealgorithm (Previous Lab)

1. Use your 2D grid, click n vertices to define a polygon (counter-clockwise)
   - Rasterize all edges

     .
2. Rasterize the polygon using crow's algorithm
3. Provide a popup submenu
   - to start/reset the rasterization process
     - Select start: start to fill the polygon
     - Select reset: clean all pixels, restart the above process

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