F-Trangular meshes Barycentric coordinates R= aR+ BR+ XR2 on the plane. R_2 constraints; $\alpha + \beta + \gamma = 1$ flusibe the 05351 Arrough Basterizer can interpolate anything, like colors and gormals. GPU Ripeline > Voicex | > Rasterizer -> Shaker | > Rastrizer conceptually calculates the middle of the pixel. In reality in some or change between each point/pixel in sets of 2x2. This is hidden from final image 5 5 5 Trangular meshes · List of vertices Many kind of formots · X, y z position per verlex · List of triangles abj is one which Als how GRU works. - vertex indices We have list of trough repeat vertices for A. nethalosting triangles

OpenGL Each position repeated 6 times on average · vertex cottributes positions POSITIONS X 4 2 X y Z XYZ 1 x y 7 XYZ 2 X y = XYZ XYZ elements X 4 2 0012 glDraw Arrays (GILTRIANGLES, 0,6) 1023 -3 al Draw Elevents (GIL TRIANGILES, E, -3 GLUNSIGNED INT, 0); Better to store positions once and reference them -In an elements array. 7 Clement buffer object 10 contro have one of this GLaint ebuffer 74 glaen Buffers (1, & ebuffer); &
glaind Buffer (GLELEMENT ARRAY BUFFER, ebuffer);
glas fres Data (GL-CLEMENT ARRAY BUFFER, -10 7 Sizeof (unsigned int) * 6. GL_STATIC_DRAW) 9/ Bind Buffer (GIL-ELEMENT_ARRAY_PUFFER, ebuffer) 170 al Draw Clements (Cal-TRIANGLES, E. GL-UNSIGNED INT, O); 0 NB! obj files allow to specify different triangle 0 vertices for different attributes (pos color etc. 0 The graphics API do not allow this Triangle strips 1 We can also use triangle strips with al Draw Arrays (GL-TRIANGLE-STRIP, 0,4).

This is the most efficient may of drawing thangles, but the vertices needs to be ordered to so John but the vertices needs to be ordered. Bothe vert vertex drawn creates a triangle Goodfin the previous two.

If me have several sarrips to be drawn me cour use a trick in order to not paying the cost of calling gloran Arrays multiple times. We create a single strip where when we change strip we add the last vertex of the last strip two times, and also the first vertex werex of the new strip two times, this creates a line which will not render. we also have GL. TRIANGLES GL-TRIANGLE FAN which uses GL_TRIANGLE_STRIP Arst and last vertex with the convent, All of these GL_TRIANGILG_FAN have a aldraw Elements version, and al Draw Glements CGL-TRIANGLE_STRIP. is the most efficient.