















Vertex Buffer Objects
Caches vertex geometric data: positions, normals, texture coordinates, colors
Optimize and store on server (GPU)
Required for core OpenGL profile
/* vertices of the quad (will form two triangles; rendered via GL_TRIANGLES) */ float positions[6][3] = {{1.0, -1.0, -1.0}, {1.0, -1.0, .{1.0, 1.0, -1.0}}; {-1.0, -1.0, -1.0}, {1.0, -1.0}, {-1.0, 1.0, -1.0};

/* colors to be assigned to vertices (4th value is the alpha channel) */ float colors[6][4] = {{0.0, 0.0, 0.0, 1.0}, {1.0, 0.0, 0.0, 1.0}, {0.0, 1.0, 0.0, 1.0}, {0.0, 0.0, 1.0, 1.0}, {1.0, 0.0, 1.0}, {0.0, 0.0, 1.0, 1.0}}, {0.0, 0.0, 1.0, 1.0}, {0.0, 0.0, 1.0}, {0.0, 0.0, 0.0, 0.0}; 9



































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- Callbacks .
- Double Buffering Physics of Color •
- Flat vs Smooth Shading •
- Hidden Surface Removal