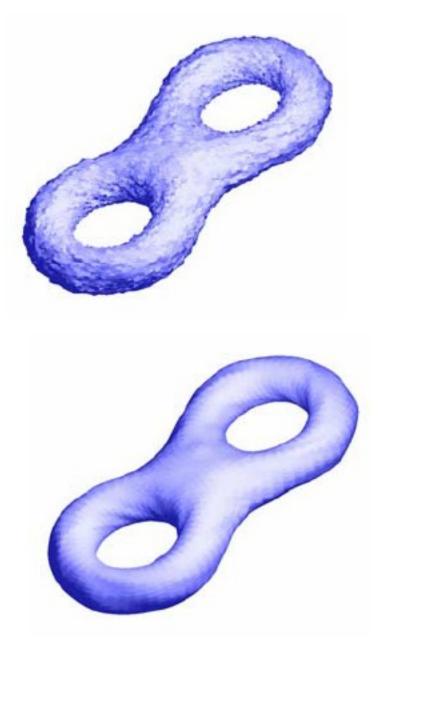
21 – Polygonal Modeling (Data structures, Triangle Meshes, Subdivision Surfaces)

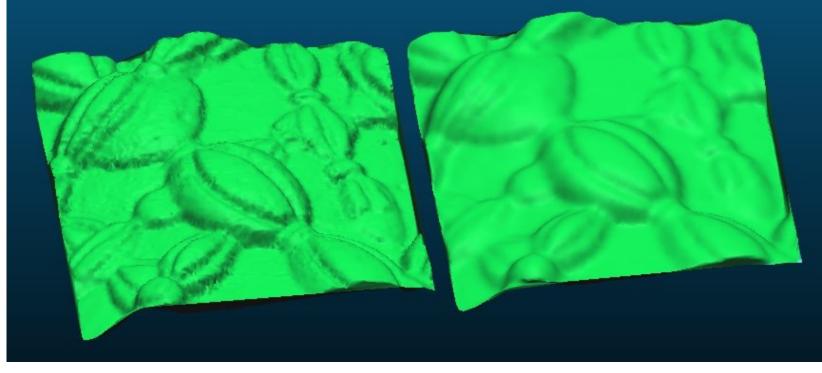
Regular Polygons

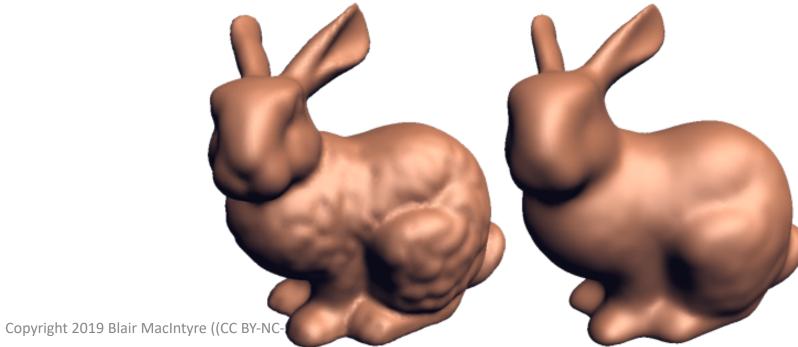
Regular Planar Tilings

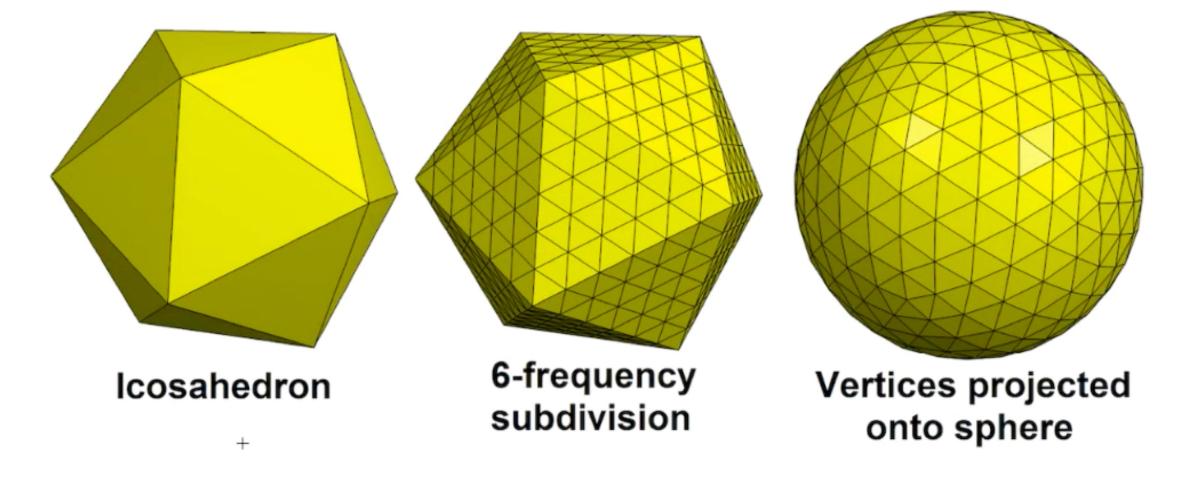
Platonic Solids

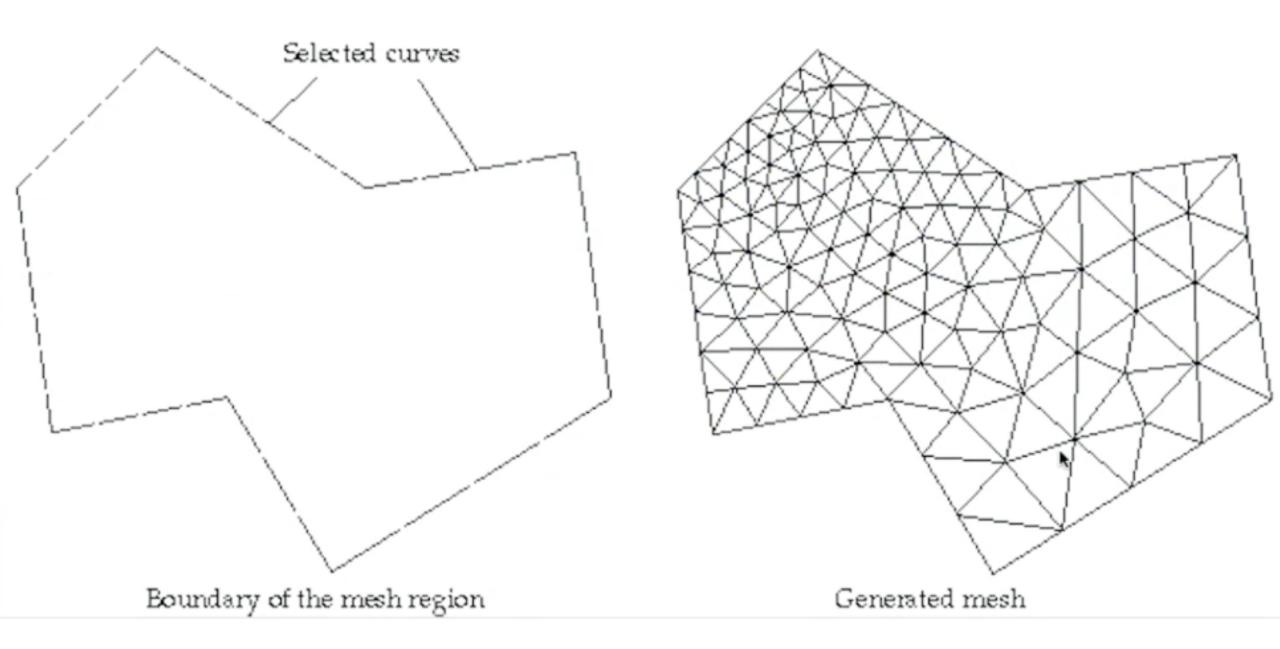
Polyhedrons







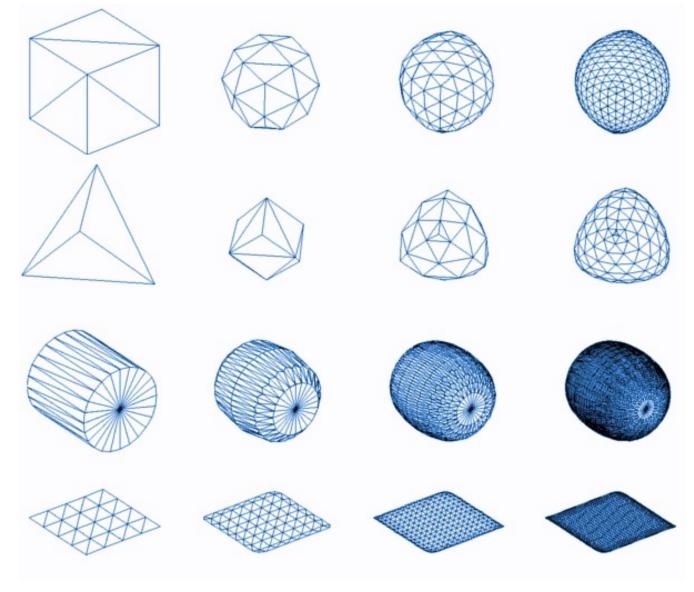




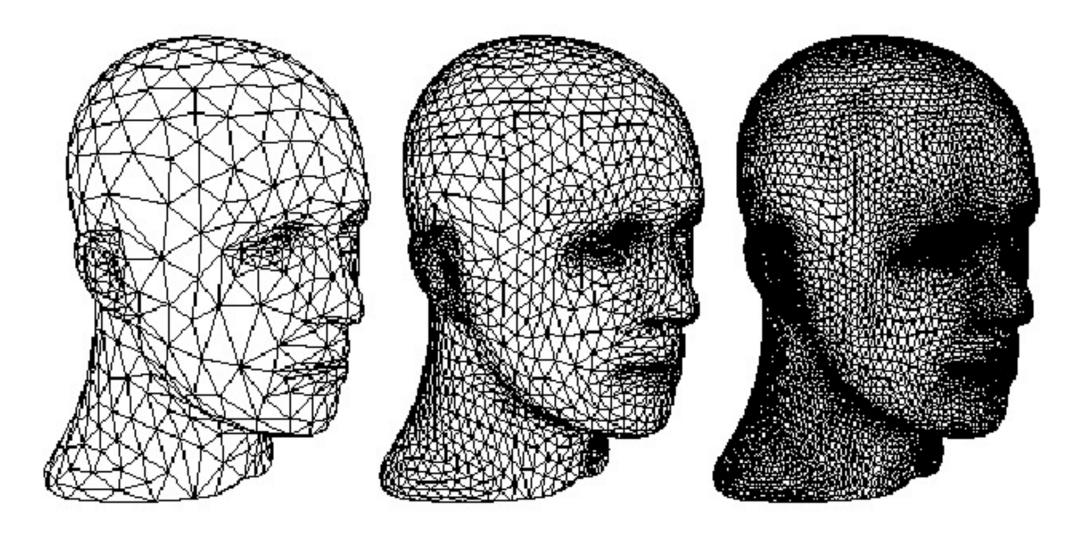
Representing Polyhedra (Meshes)

Subdivision Surfaces

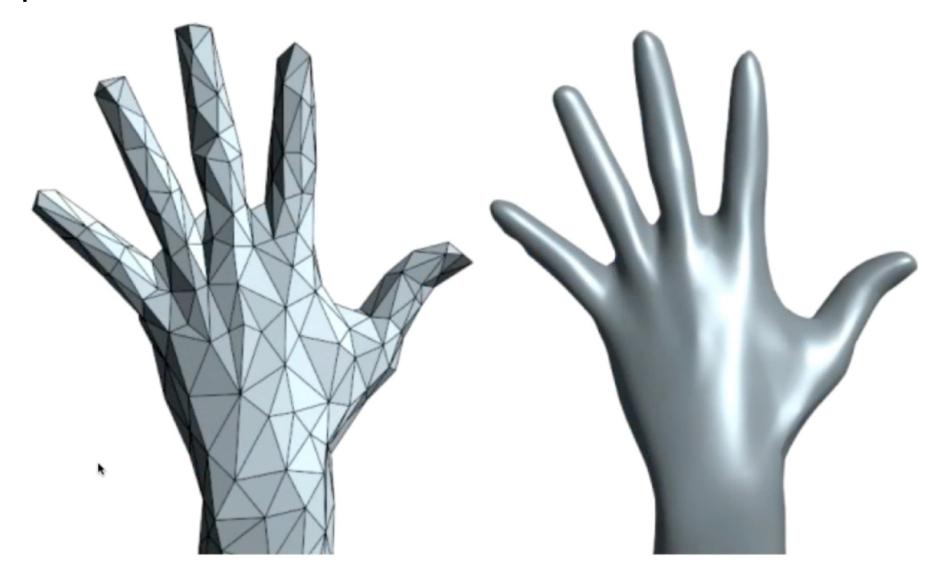
Loop Subdivision



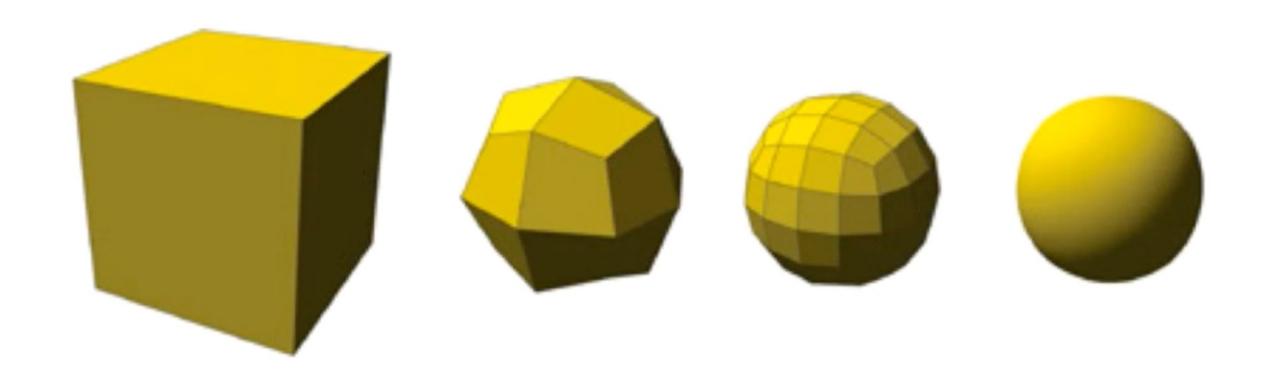
Loop Subdivision



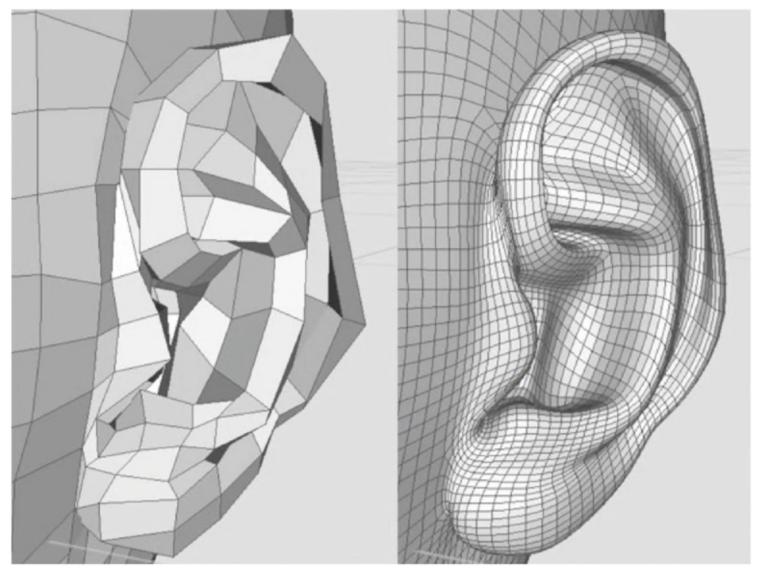
Loop Subdivision



Catmull-Clark Subdivision

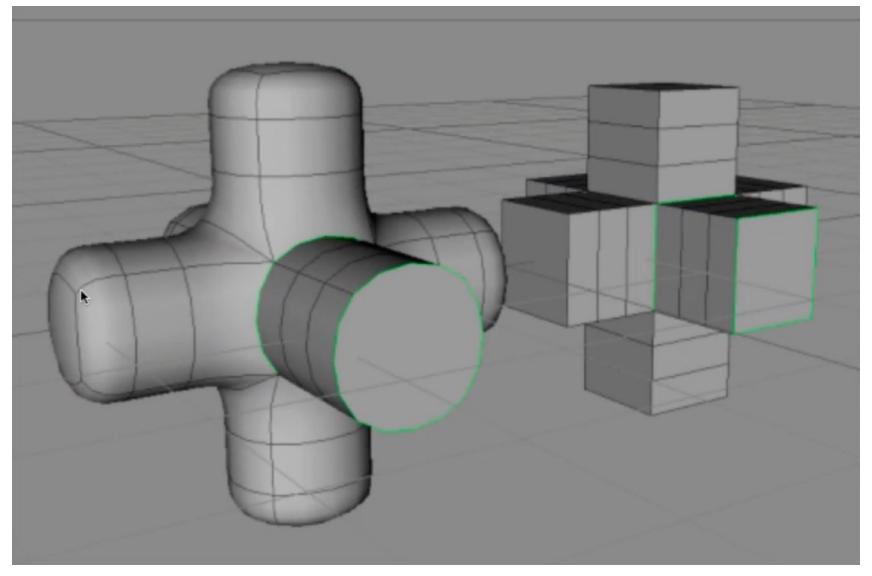


Catmull-Clark Subdivision



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Catmull-Clark Subdivision: Sharp Edges



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