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Modular Sculpture from Surface Patches.

These sculptures are constructed from modules of rubber sheet that are inspired by NURBS (non-uniform rational basis spline) geometry of the major 3D graphic programs. NURBS uses a patchwise surface assembly with principles of geometric continuity used to coordinate the patches into a single surface subject to certain topological manipulations. The sculptures presented here apply this patchwise concept to creating orientable, non-orientable surfaces, closed and opened surfaces. (Received September 26, 2005)