Audiovisual Art in VR Workshop

Virtual Worlds Symposium

East Gallery, Norwich University of Arts

November 23, 2016

Instructor:

Lance Putnam

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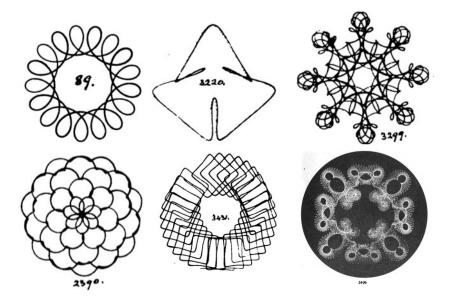
Outline of Workshop

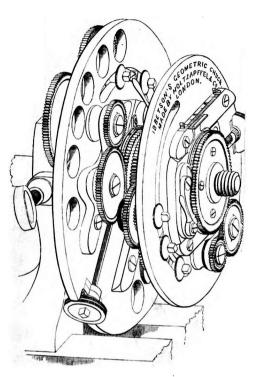
- Background on curve-based synthesis (10 min)
- Software installation and demonstration (10 min)
- "Creature Synth" work session (20 min)
- Experience creations in Mutator VR (20 min)

Curve-based Synthesis

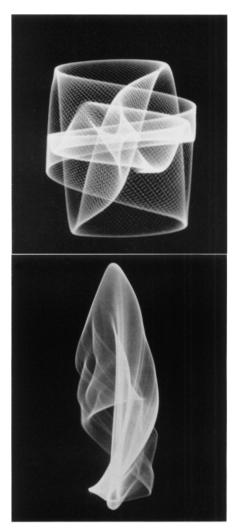


Geometric Pen (Suardi, 1750)



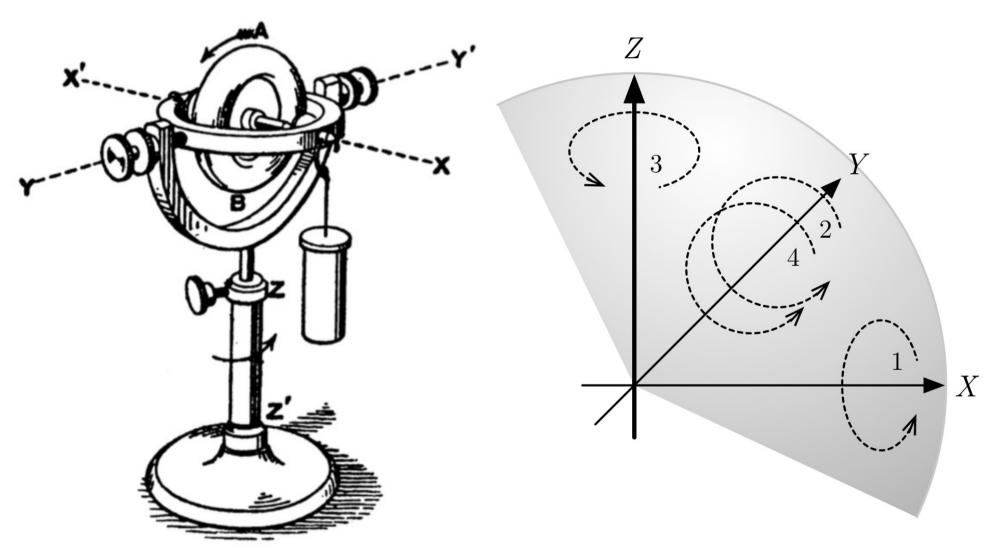


Geometric Chuck (Ibbetson, 1800s) (Bazley, 1875)



Oscillons (Laposky, 1953)

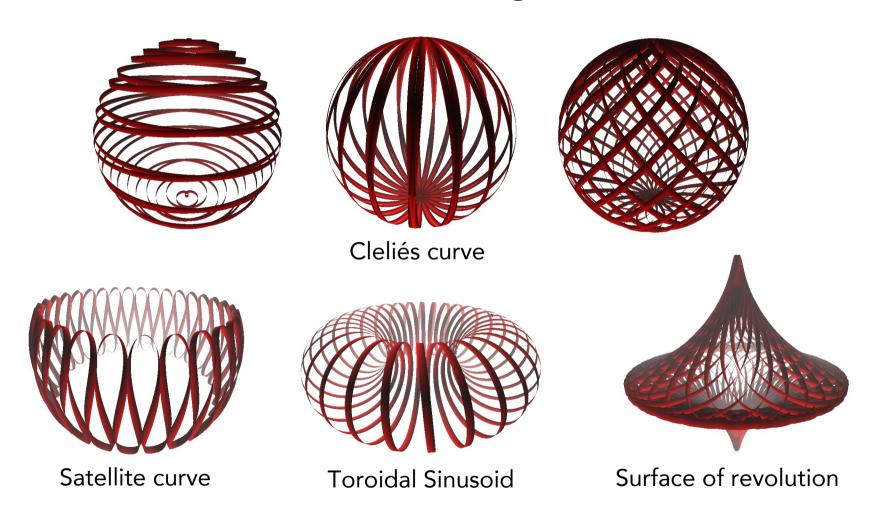
Curve-based Synthesis



Gyroscope

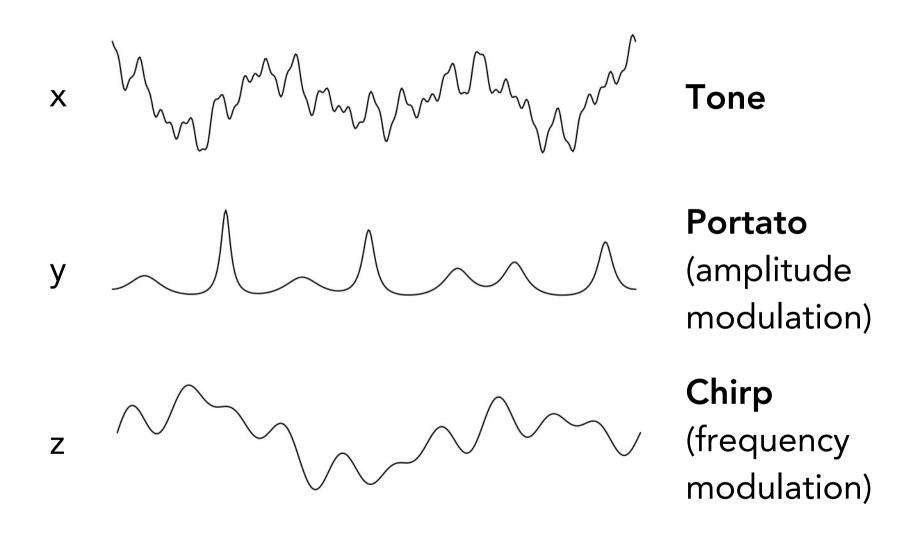
Euler Rotations

Curve-based Synthesis



Putnam, L. (2014). A method of timbre-shape synthesis based on summation of spherical curves. In *Proceedings of the 2014 International Computer Music Conference*, pages 1332–1337, Athens, Greece.

Curve-based (Audio) Synthesis



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