MATH 123
(Day 7)

Mathematical Painting and Sculpture

Richard Hammack

http://www.people.vcu.edu/~rhammack/Math123/
Beth Campbell
George Hart, *Millennium Bookball*

See: [www.georgehart.com](http://www.georgehart.com)
George Hart, *Spaghetti Code*

See: www.georgehart.com
George Hart, *Labia*

See: www.georgehart.com
George Hart, *Bathisphere*, aluminum

See: www.georgehart.com
Peter Forakis

*Peter’s Cube*, 2005, steel 22” × 22” × 22”

See: http://peterforakis.org/
Peter Forakis

*Peter’s Cube*, 2005, steel 22” × 22” × 22”

*Hypercube*, 1967, aluminum

See: http://peterforakis.org/
24-Cell, metal print, 4"
Bathsheba Grossman

See: www.bathsheba.com

24-Cell, metal print, 4"

600-Cell, metal print, 4"
Bathsheba Grossman

See: www.bathsheba.com

24-Cell, metal print, 4"

600-Cell, metal print, 4"

120-Cell, metal print, 4"
Bathsheba Grossman

24-Cell, metal print, 4"

600-Cell, metal print, 4"

120-Cell, metal print, 4"

See: www.bathsheba.com
Bathsheba Grossman

See: www.bathsheba.com

Borromean Rings, metal print, 2"
Bathsheba Grossman

Borromean Rings, metal print, 2"

The Gyroid, metal print, 3"

See: www.bathsheba.com
Bathsheba Grossman

See: www.bathsheba.com

Borromean Rings, metal print, 2"

The Gyroid, metal print, 3"

Schwartz’ D-surface, metal print, 3.25"
Solstice, 1985
Charles Perry

*Solstice*, 1985

*Eclipse*, 1973, 35 feet

See: www.charlesperry.com
Continuum, 1976
Helaman Ferguson

See: www.helasculpt.com
Helaman Ferguson

See: www.helasculpt.com

Umblic Torus
Kenneth Snelson

Needle Tower

See: http://www.kennethsnelson.net/
Kenneth Snelson

See: http://www.kennethsnelson.net/

Needle Tower
David Brisson

David Brisson, 1930–1982

David Brisson, c. 1958
David Brisson, Five-dimensional cube
David Brisson, Five-dimensional cube

David Brisson, Model of the 4-D Icosahedron
David Brisson, *Hypercube*, (hyperstereogram) watercolor, 1977
David Brisson, watercolor, 1974
David Brisson, *Hypercube*, (hyperstereogram) watercolor, 1977
David Brisson, Hyperanglyph of 4-D cube
David Brisson, Hyperanglyph of 4-D cube

10 of the 16 hypercubes around a point in 4-D space, Gold chain and plexiglass
Ashmont Project
Ashmont Project
Ashmont Project
Ashmont Project
Ashmont Project
Ashmont Project
Harriet Brisson

*Kaleidoscope*, 2001, two-way mirror plexiglas, chrome-plated steel, halogen lights
Harriet Brisson

*Kaleidoscope*, 2001, two-way mirror plexiglas, chrome-plated steel, halogen lights

*Simplex*, 1986, neon, two-way mirror glass
Harriet Brisson, Magic Cube 1977, neon, two-way mirror plexiglas
Harriet Brisson, Magic Cube 1977, neon, two-way mirror plexiglas
Harriet Brisson
*Schwarz Surfaces*, 1985, porcelain
Harriet Brisson, *Clouds*, 1990 stoneware
Harriet Brisson, *Clouds*, 1990 stoneware

Close Packing Octahedra, Cubes, Rhombic Dodecahedra
1980, plexiglas, nylon cord, aluminum rods
Tony Robbin
Tony Robbin

1980
Tony Robbin, 2007
Tony Robbin, 1979
Tony Robbin, *Fourfield*, 1980
Next time:

Mathematics in Architecture

http://www.people.vcu.edu/~rhammack/Math123/