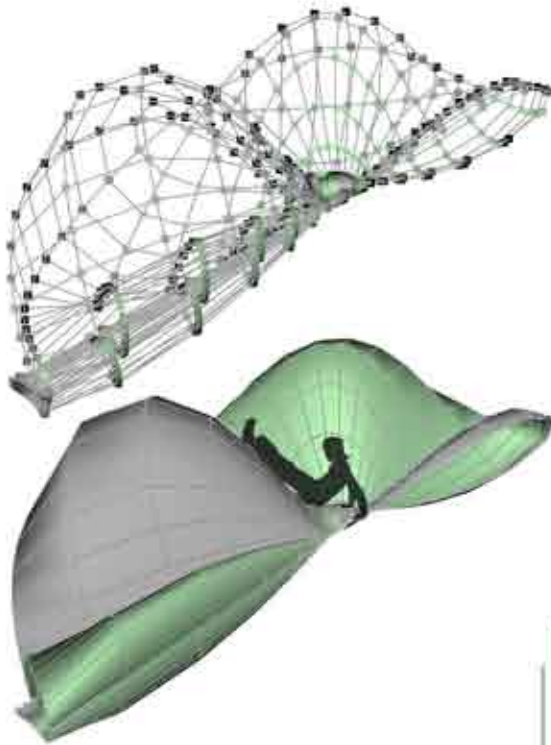


MATEMATIKA U ARHITEKTURI 2

Arhitektonski fakultet Univerziteta u Beogradu; Prof. dr Ljiljana Petruševski; Student Danica Vranić 225/2011

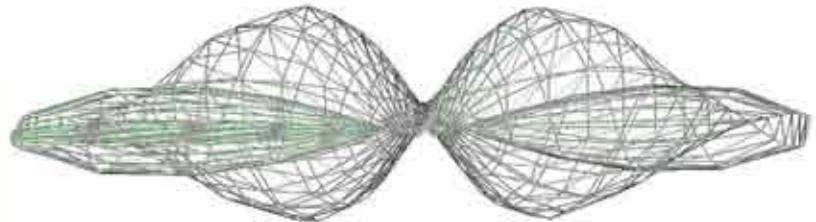


$$X(u,v) \cos(\text{param}(0)) * u/5 / (1 + d\text{param}(0))$$

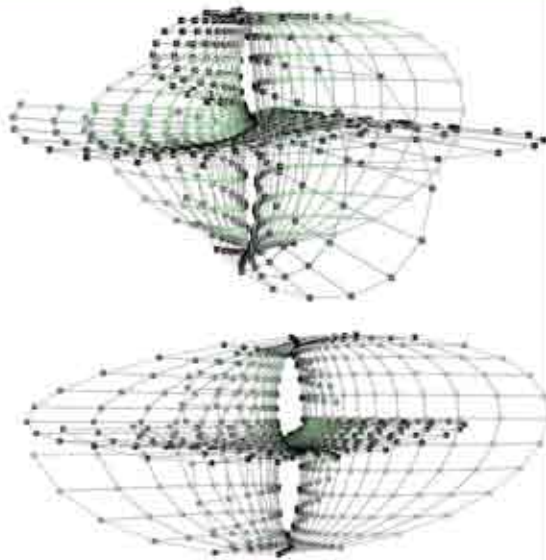
$$Y(u,v) \sin(v) * \sin(\text{param}(0)) * u/2 / (1 + d\text{param}(0))$$

$$Z(u,v) \sinh(u) / (d\text{param}(0))$$

xRotation 90
 yRotation 0
 zRotation 0
 scaleX 20
 scaleY 15
 scaleZ 14
 Umax 7
 Umin -2.5
 Udens 6
 Vmax 10
 Vmin -4
 Vdens 30



POVRŠI U PROSTORU 3D FJUN



$$-X(u,v) (7 * (4 + \sin(v+u)) + (1.5 - \cos(u)/6) * \cos(u)) * \cos(v)$$

$$Y(u,v) -3 * (1 - \cos(v)) * \sin(u+v)$$

$$Z(u,v) (9 + 6 * (\cos(v+u)) * \cos(u)) * \sin(v)$$

xRotation 0
 yRotation 0
 zRotation 0
 scaleX 1
 scaleY 1
 scaleZ 1
 Umax 6.3
 Umin -3
 Udens 2
 Vmax 6.28
 Vmin 0
 Vdens 16



$$X(u,v) u * \sin(u)$$

$$Y(u,v) \cosh(v) * \cos(u) * 1.5$$

$$Z(u,v) (\sinh(v/2) * \sin(u/1.3)^4) + \cos(\text{param}(0))$$

xRotation 0
 yRotation 90
 zRotation 0
 scaleX 1
 scaleY 1
 scaleZ 1
 Umax 9.2
 Umin -3
 Udens 90
 Vmax 3
 Vmin -2.5
 Vdens 20



Faculty of Architecture, University of Belgrade; Prof. Ljiljana Petruševski, PhD; Student Danica Vranić 225/2011

e-Learning support Mirjana Devetaković, MSc; Virtual learning environment for the course <http://www.arh.bg.ac.yu/code/navigate.asp?id=2420>