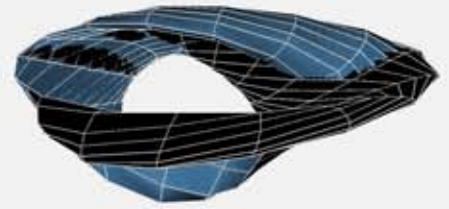


# MATEMATIKA U ARHITEKTURI 2

Arhitektonski fakultet Univerziteta u Beogradu; Prof. dr Ljiljana Petruševski; Student Petar Tatić 2011/10

$X(u,v) \{4*(1+\sin(v+u)) + (1.5-\cos(u)/6)*\cos(u)*\cos(v)\}$	$X(u,v) \{7*(2+\sin(v+u)) + (1.5-\cos(u)/6)*\cos(u)*\cos(v)\}$
$Y(u,v) -2.2*(1-\cos(v)/3) * \sin(u)$	$Y(u,v) -3*(1-\cos(v)) * \sin(u+v)$
$Z(u,v) (9+2*(2-\cos(v+u))*\cos(u))*\sin(v)$	$Z(u,v) (9+6*(\cos(v+u))*\cos(u))*\sin(v)$
xRotation 90	xRotation 90
yRotation 0	yRotation 0
zRotation 0	zRotation 0
Umax 6.3	Umax 6.3
Umin -2	Umin -3
Udens 20	Udens 20
Vmax 6.28	Vmax 6.28
Vmin 0	Vmin 0
Vdens 16	Vdens 16



$X(u,v) \{7*(1+\sin(v+u)) - (2+\cos(u)/6)*\cos(u)*\cos(v)\}$	$X(u,v) \{3*(1-\cos(v)/2)*\cos(u)*\cos(v)\}$
$Y(u,v) -4*(1-\cos(v)) * \sin(u+v)*3$	$Y(u,v) -2.3*(1-\cos(v)) * \sin(u)$
$Z(u,v) (6*(\cos(v)))$	$Z(u,v) (5+4*(1-\cos(v))*\cos(u))*\sin(v)$
xRotation 90	xRotation 0
yRotation 30	yRotation 0
zRotation 0	zRotation 0
Umax 6.3	Umax 7
Umin -3	Umin 0
Udens 20	Udens 16
Vmax 6.28	Vmax 10
Vmin 0	Vmin 0
Vdens 16	Vdens 16



Priložena su moja istraživanja u programu Fun3d na temu površi u prostoru.

Forme su nastale jedna iz druge, menjanjem odredjenih parametara.

U AutoCAD-u je renderovan prvi oblik i prikazan kao deo gradskog okruženja. Zamišljen je u funkciji paviljona.



## POVRŠI U PROSTORU

Faculty of Architecture, University of Belgrade; Prof. Ljiljana Petruševski, PhD; Student Petar Tatić 2011/10

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

## MATHEMATICS IN ARCHITECTURE 2