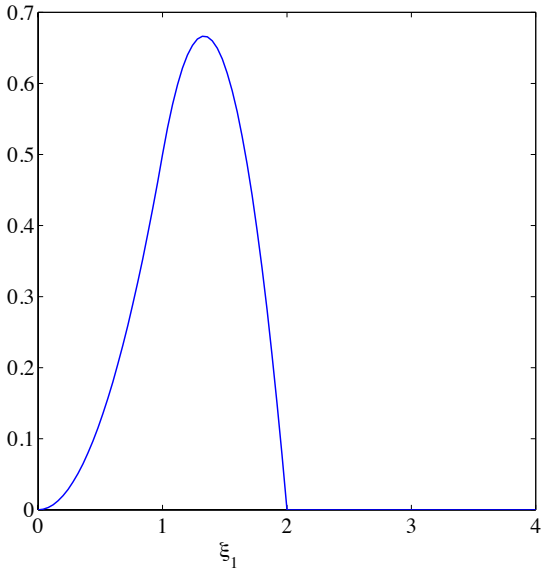
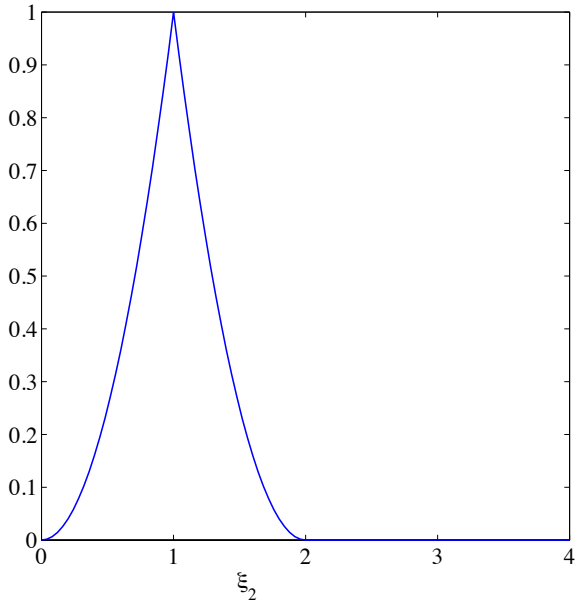
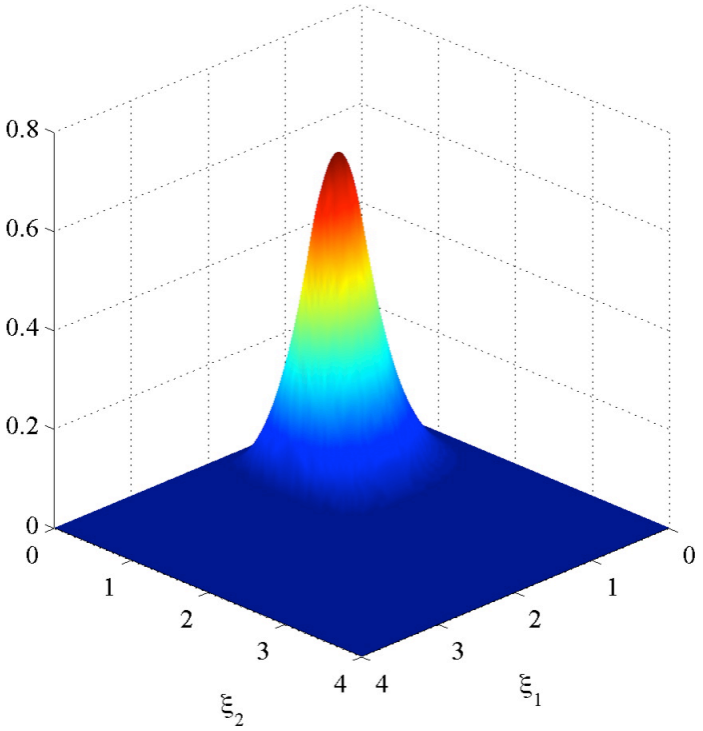
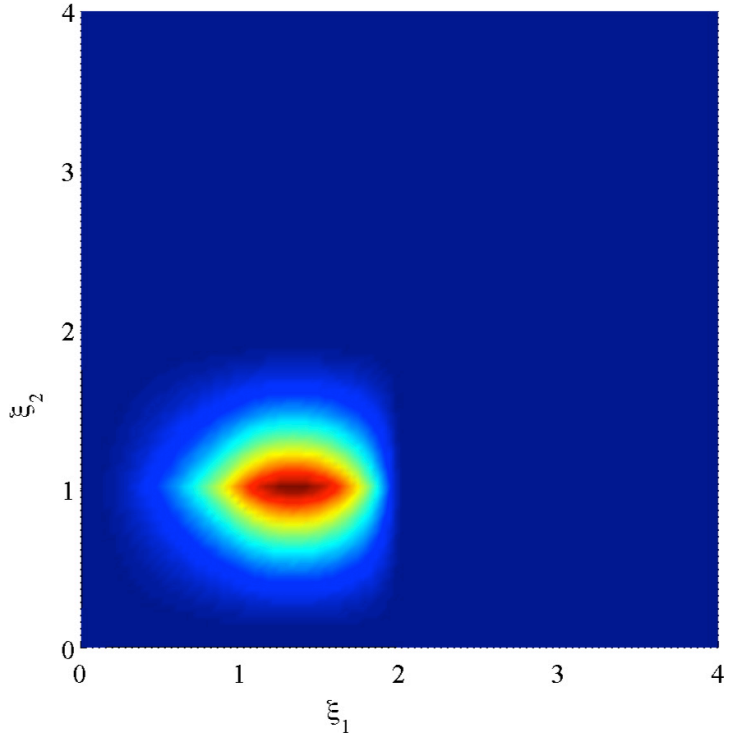
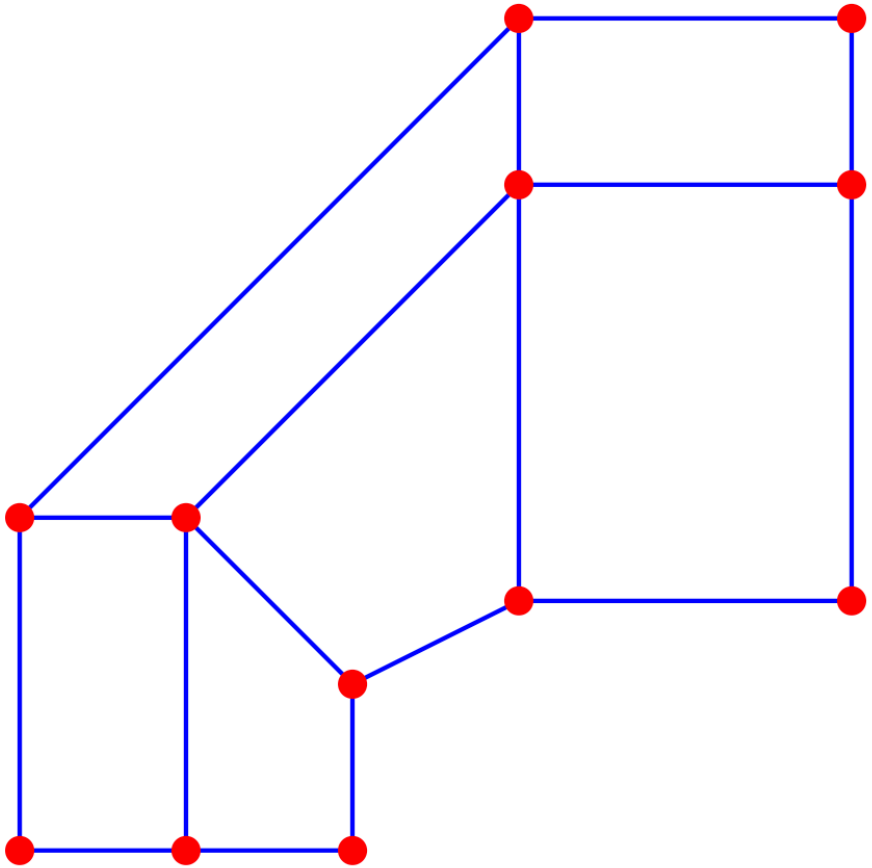
Multi-Dimensional B-splines


0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
1
2
3
4
ξ1

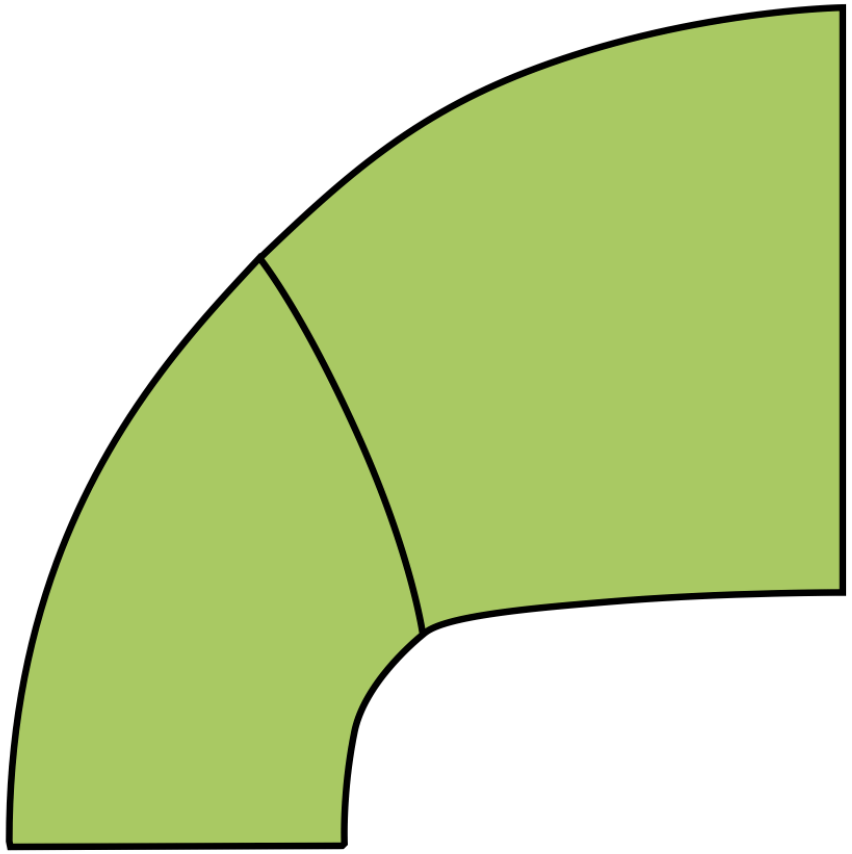

1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
1
2
3
4
ξ2


0.8
0.6
0.4
0.2
0
0
1
2
3
4
ξ2
4
3
2
1
0
ξ1

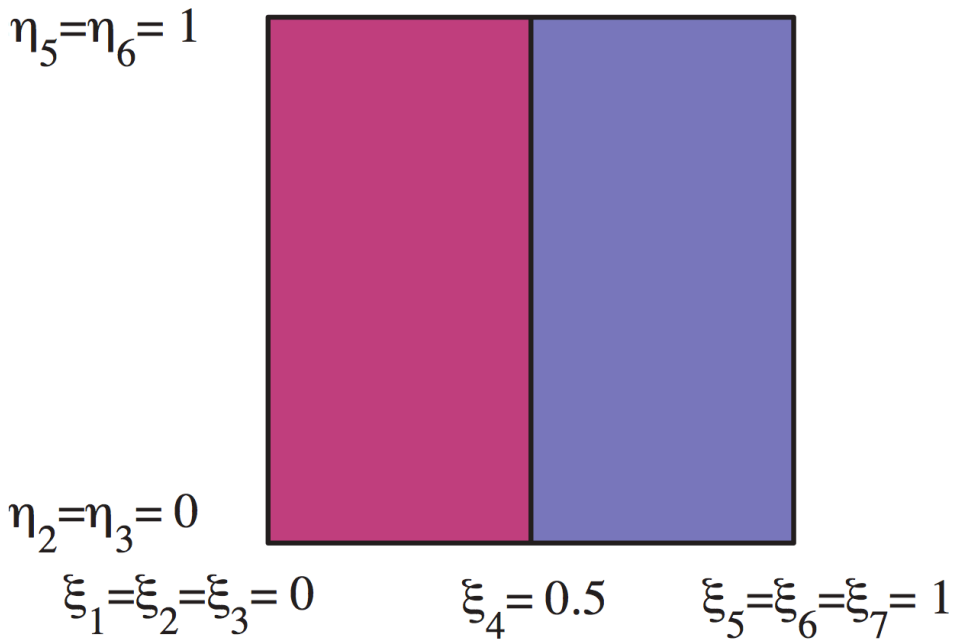

4
3
2
1
0
ξ2
0
1
2
3
4
ξ1

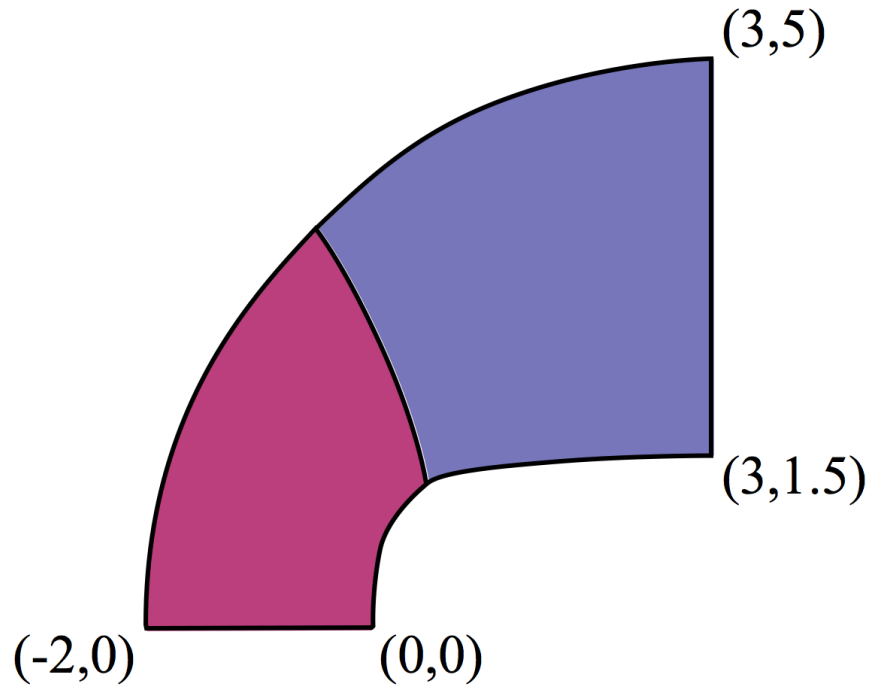


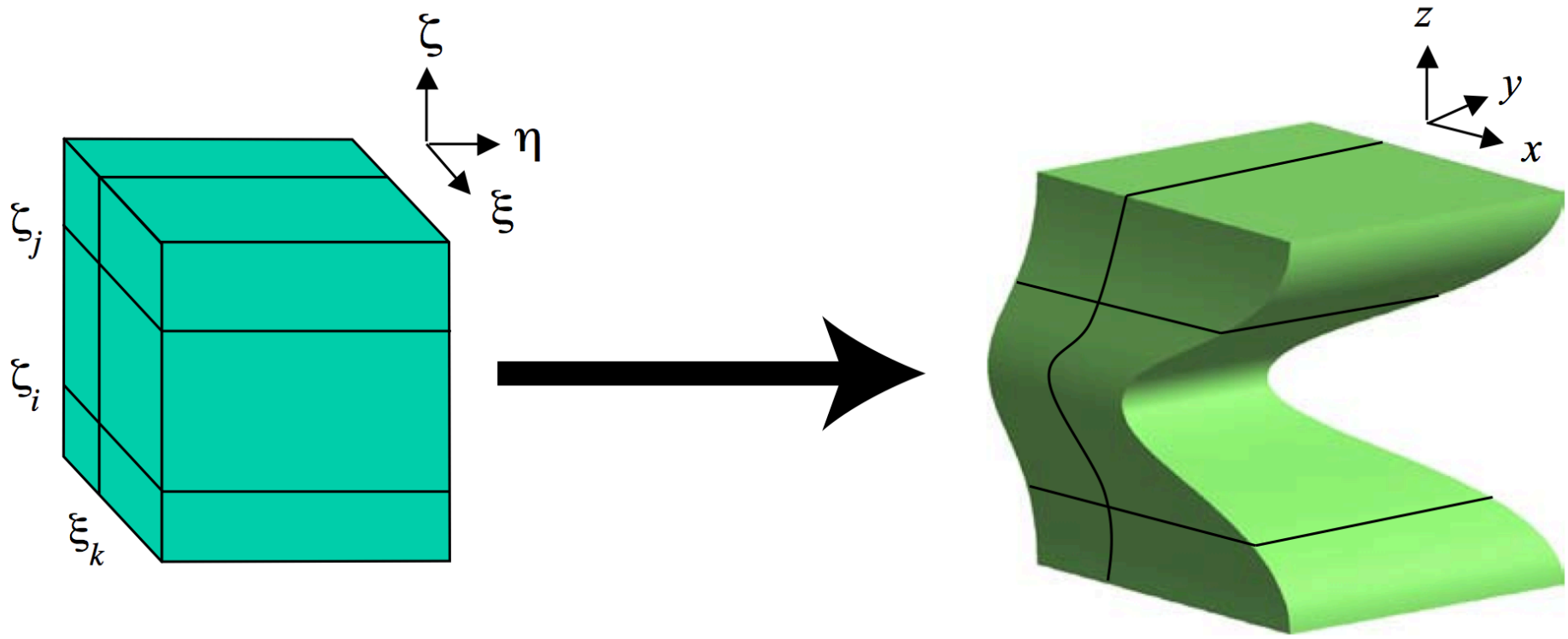
Control net



Mesh


$\eta_5=\eta_6=1$
$\eta_2=\eta_3=0$
$\xi_1=\xi_2=\xi_3=0$
$\xi_4=0.5$
$\xi_5=\xi_6=\xi_7=1$


(3,5)
(3,1.5)
(-2,0)
(0,0)


ζ
η
ξ
ζ_j
ζ_i
ξ_k
z
y
x