h-p Methods

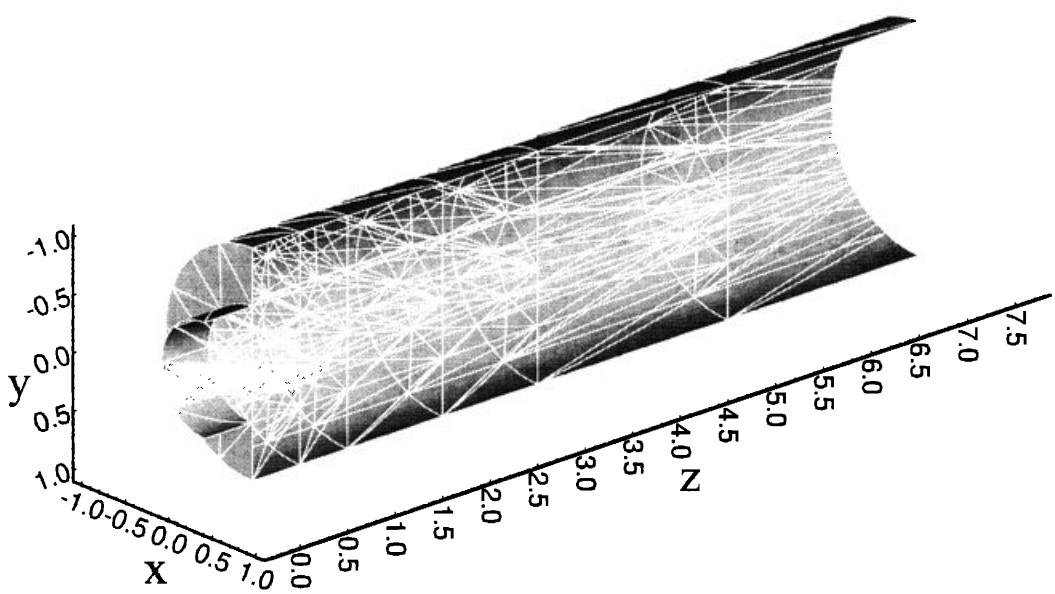
-1.0
-0.5
0.0
0.5
1.0
y
-1.0 -0.5 0.0 0.5 1.0
x
0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5
z

Figure on reverse:
Discretisation of the pipe expansion using 600 tetrahedral elements. Here we see half of the domain. The pipe expands from a diameter of 1 to a diameter of 2 and the complete domain is 7.5 units long of which 0.5 units is the smaller pipe. (From "Triangular and Tetrahedral Spectral Elements" by S. J. Sherwin and G. E. Karniadakis, page 509)