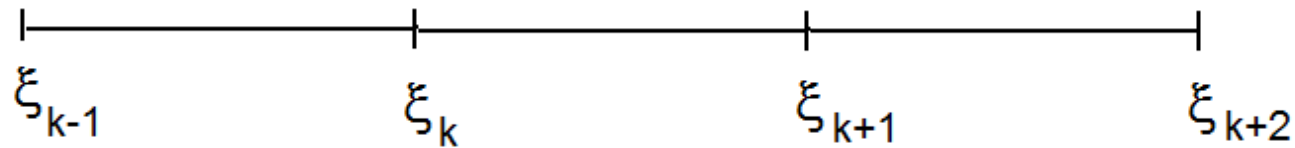
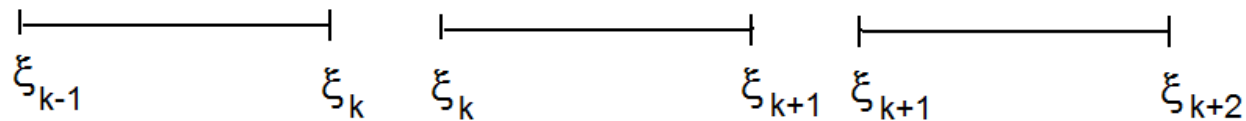


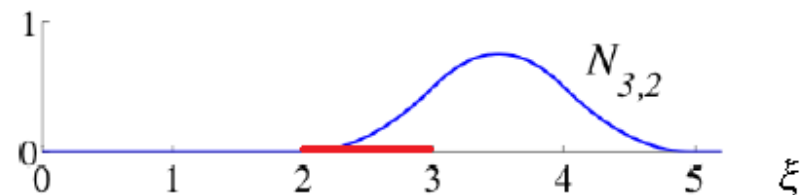
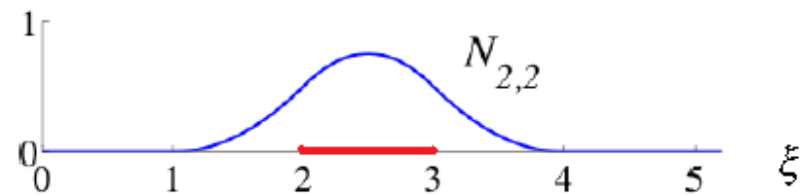
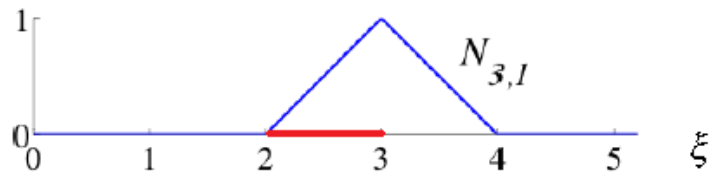
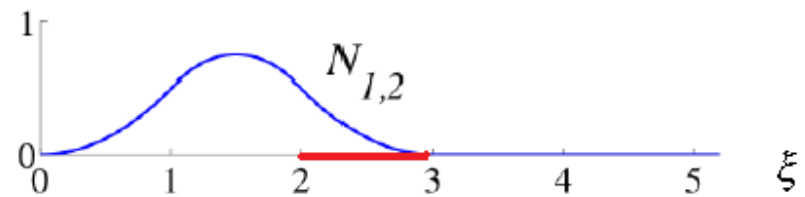
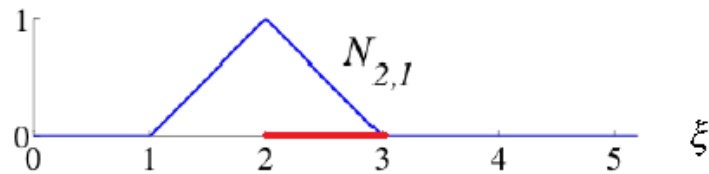
Isogeometric finite elements



Partition mesh into elements (non-zero knot spans)



There are $p+1$ functions of order p assigned to an element $K = [\xi_k, \xi_{k+1}]$



Given knot numbers and order suffices to compute all relevant degree-of-freedom interactions in 1D, 2D and 3D