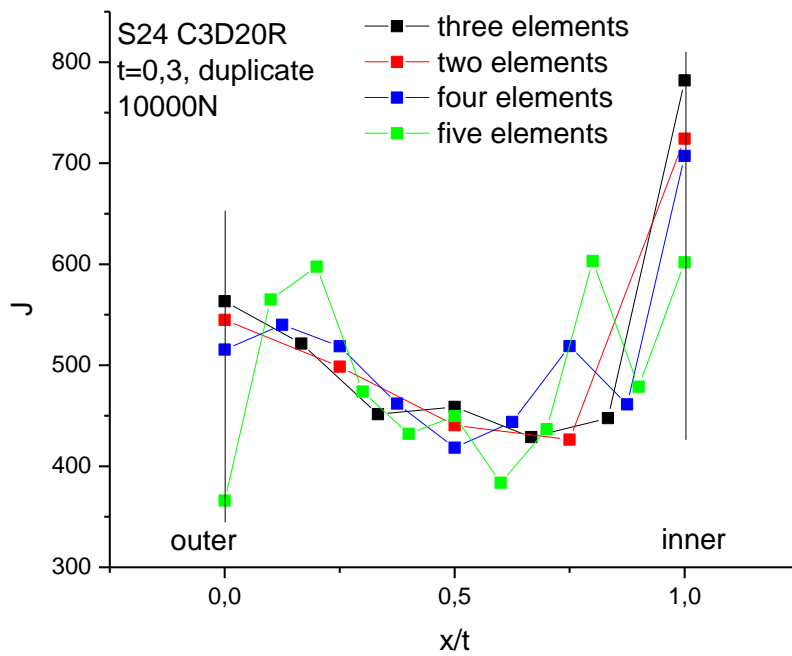
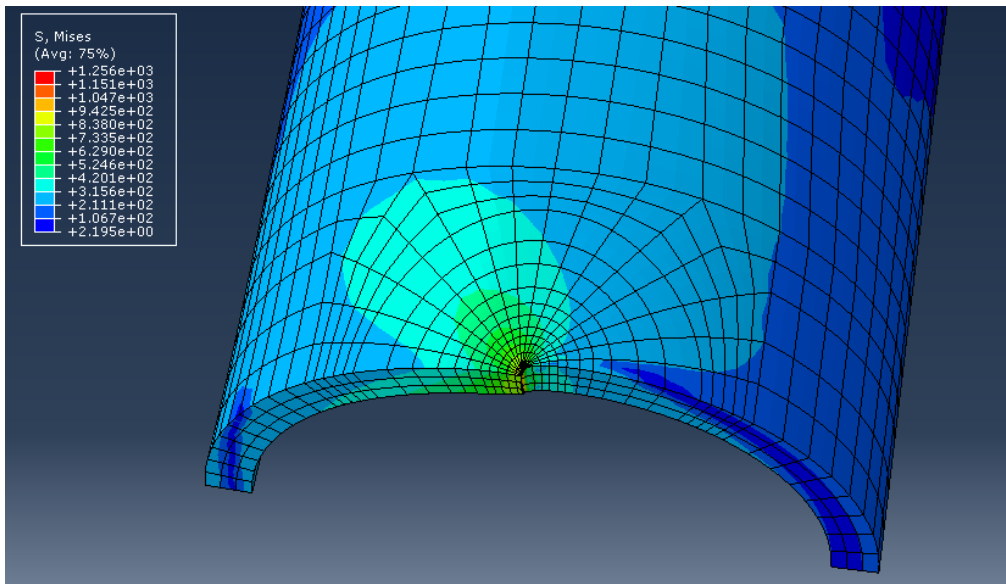


Tube mesh deformed during tensile load. Three elements through thickness.



J integral variation through thickness, from the outer surface of the tube (left) to the inner surface (right). The wall of the tube was discretized with two to five elements through thickness. The condition corresponds to a tube subjected to tensile load of 10000N (condition close to the unstable crack growth). The J values correspond to the 17th contour, far from the crack tip.