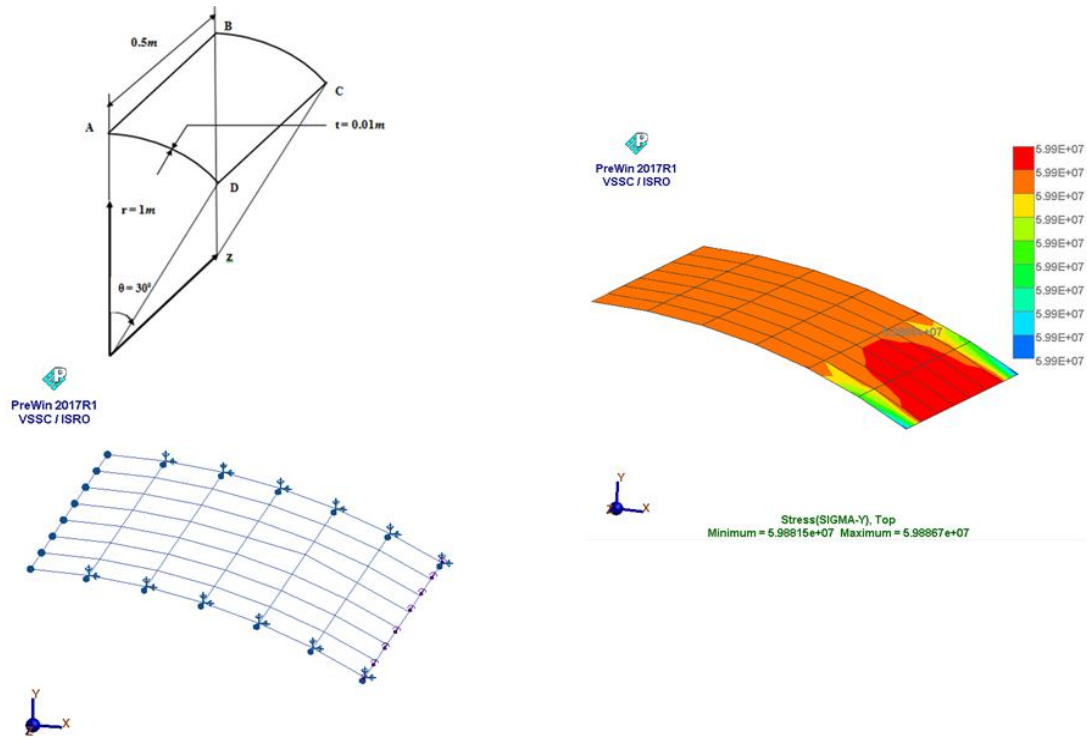


Static analysis of cylindrical shell patch test



Loading :	Uniform normal edge moment along DC of 1 <i>kNm/m</i>		
Boundary condition :	Edge AB, $U_x=U_y=U_z=R_x=R_y=R_z=0$ Edge AD and BC, $U_z=R_x=R_y=0$		
Material property :	$E = 210 \text{ GPa}$, $\nu = 0.3$		
Element types :	Quadrilateral shell		
Finite element statistics :	Number of elements	Number of nodes	Degrees of freedom
	42	56	252

Outer (convex) surface tangential stress σ_θ (MPa) at point E	
NAFEMS	60.0
FEAST ^{SMT}	59.9
NASTRAN [®]	59.9