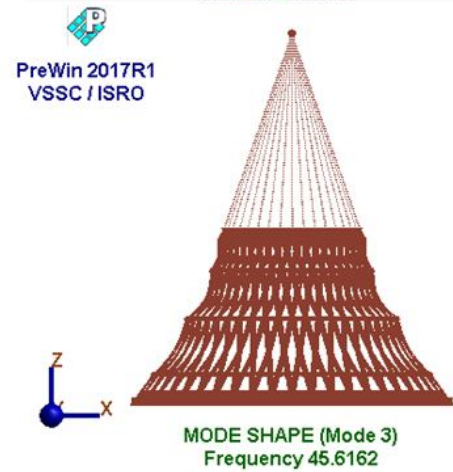
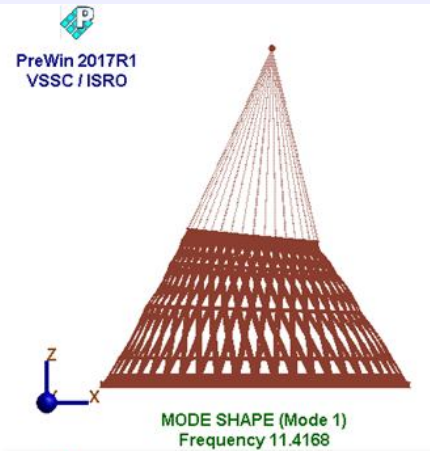
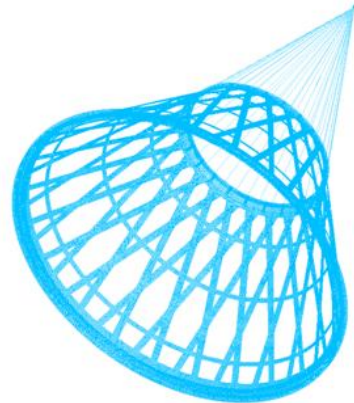


# Free vibration analysis of grid type payload adaptor



<b>Material property</b>	1. $E_{11} = 70GPa, \nu = 0.33$ , Specific gravity = 2.8 2. $E_{11} = 211GPa, E_{22} = 6.05, \nu = 0.24$ , Specific gravity = 1.6, $G_{12} = 4.45 GPa, G_{13} = 4.45GPa, G_{23} = 4.45GPa$		
<b>Element types</b>	Quadrilateral shell		
<b>Finite element statistics</b>	Number of elements 74991	Number of nodes 74991	Degrees of freedom 439094

Mode	Natural frequencies, Hz	
	FEAST <sup>SMT</sup>	NASTRAN <sup>®</sup>
1	11.43	11.67
2	11.44	11.69
3	45.62	47.00