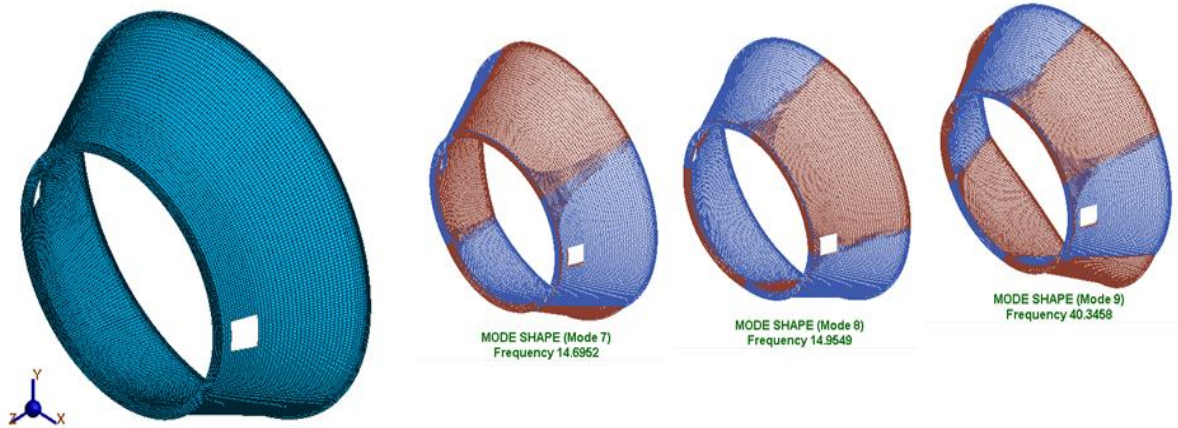


## Free vibration analysis of typical pay load adaptor



**Material property :**  $E=70 \text{ GPav} = 0.3$  Specific gravity=2.75

**Element types :** Quadrilateral shell

<b>Finite element statistics</b>	<b>Number of elements</b>	<b>Number of nodes</b>	<b>Degrees of freedom</b>
:	22760	23166	138996

Output parameter	Mode#	NISA <sup>®</sup>	FEAST <sup>SMT</sup>	NASTRAN <sup>®</sup>
Natural frequency, Hz	7	14.25	14.70	15.15
	8	14.37	14.95	15.41
	9	39.69	40.35	41.74
	10	39.80	40.63	42.01