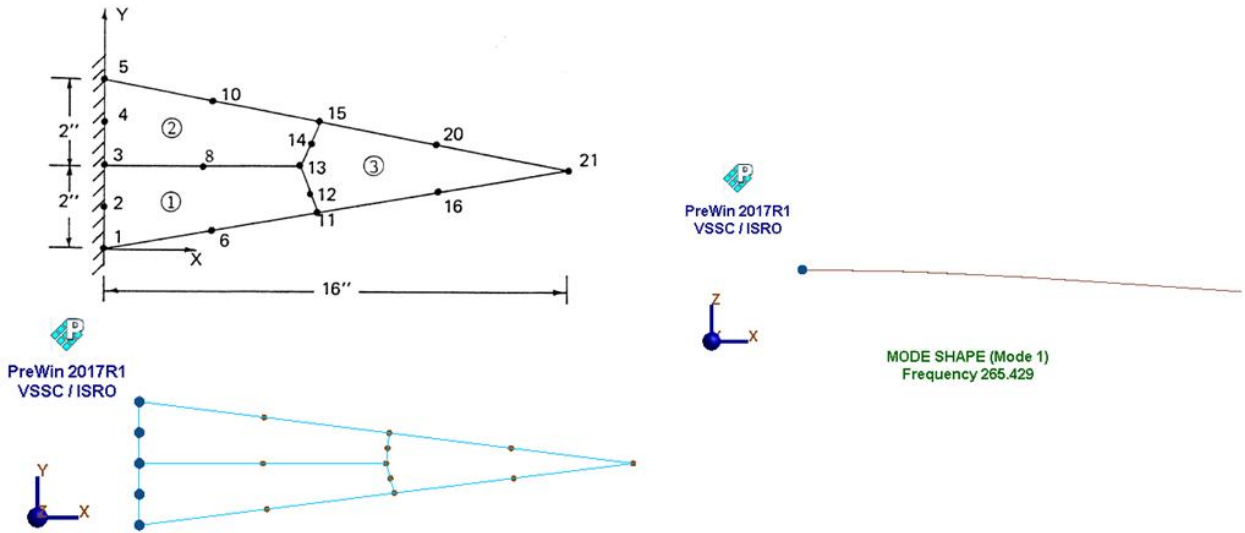


Fundamental frequency of a cantilever triangular plate



Boundary condition : Along line $X=0$ all 6 degrees of freedom are constrained

Material property : $E= 30 \times 10^6 \text{psi}$, $\nu = 0.3$, $\rho = 7.28 \times 10^{-4} \text{lb-sec}^2/\text{in}^4$

Geometric property : $t = 1.0 \text{ in.}$

Element type : 3-D General shell element

Finite element statistics :

Number of elements	Number of nodes	Degrees of freedom
3	16	66

Mode	Theoretical	FEAST ^{SMT}	NISA2 [®]
1	259.16	265.43	254.50