Comparison between four different periscope systems, Nastran simulation modal frequency sweep) one lens normal rod Maximum Displacement Magnitude / arb. 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009 - 0.009one lens thick rod three lens normal rod three lens thick rod 0.000 -200 400 600 800 1000 1200 1400 Frequency / Hz