$L_1$  Horizontal Lyapunov ( $H_{lt}=-1.550, \alpha=\frac{5}{3}\pi \text{ rad}$ ) - Periodicity constraints verification Defect vector magnitude after convergence Position deviation at full period  $10^{-16}$ 0.00000.01900.07600.03800.05700.00000.01900.03800.05700.0760Maximum number of corrections Velocity deviation at full period Number of corrections iterations  $\stackrel{>}{\sim}$   $10^{-13}$  $10^{-16}$ 0.07600.00000.01900.03800.07600.01900.05700.05700.00000.0380Distribution of errors over collocated trajectory Maximum collocation segment error  $10^{-5}$  $\max(e_i)$ - $\min(e_i)$ collocation Number of nodes  $\max(e_i)$ 0.00000.01900.05700.01900.05700.03800.07600.00000.03800.0760 $a_{lt}$  [-]  $a_{lt}$  [-]