L_1 Horizontal Lyapunov ($H_{lt} = -1.500$, $a_{lt} = 0.05$) - Periodicity constraints verification Defect vector magnitude after convergence Position deviation at full period 10^{-10} 10^{-16} $\frac{1}{2}\pi$ 2π Maximum number of corrections Velocity deviation at full period Number of corrections $\frac{1}{2}\pi$ Distribution of errors over collocated trajectory Maximum collocation segment error collocation points $\max(e_i)$ - $\min(e_i)$ Number of nodes $\frac{1}{2}\pi$ α [-] α [-]