L_1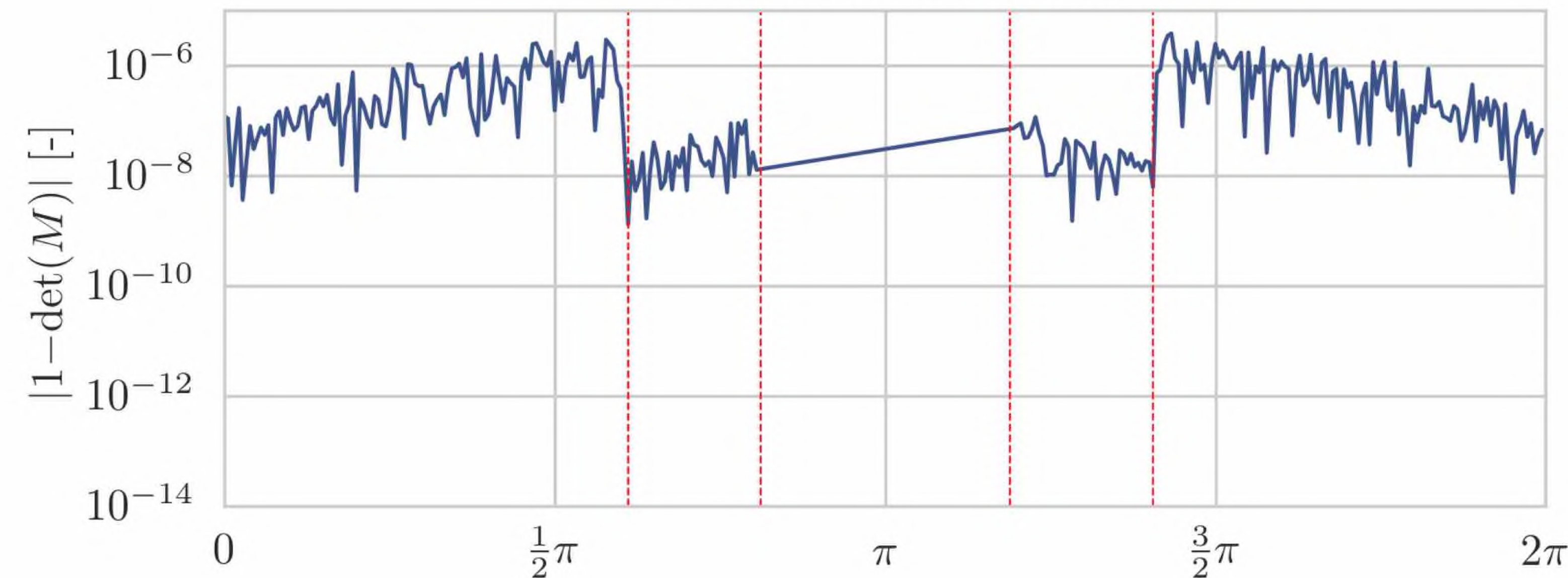 Horizontal Lyapunov ($H_{lt} = -1.525$, $a_{lt} = 0.10$) - Monodromy matrix eigensystem validation