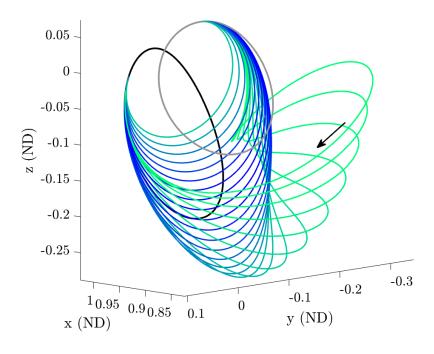
Family of Low-Thrust Transfers Between Two Southern L1 Halo Orbits



Project by Josiah Badiali, Antony Fleming, and Jonathan Richmond



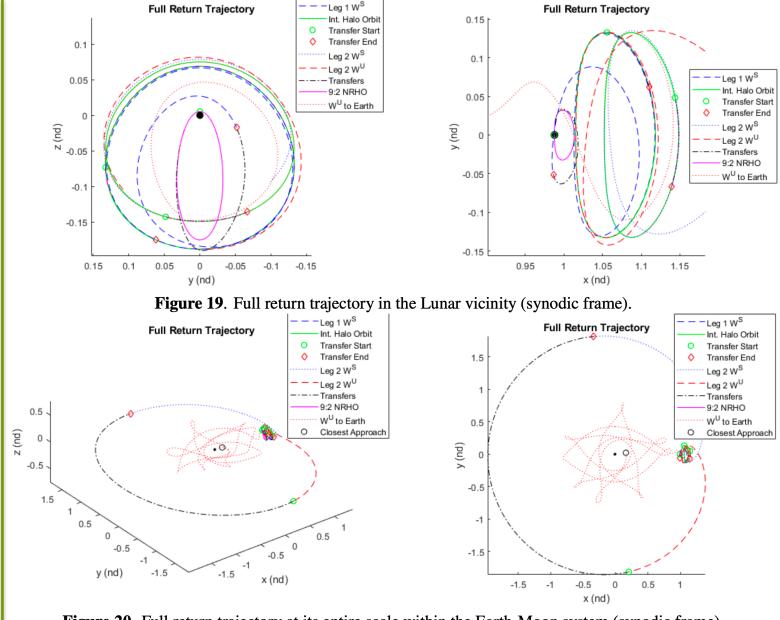


Figure 20. Full return trajectory at its entire scale within the Earth-Moon system (synodic frame).

AAE 590: Applied Control i Project by Andy Wilcox and Aaron Guo

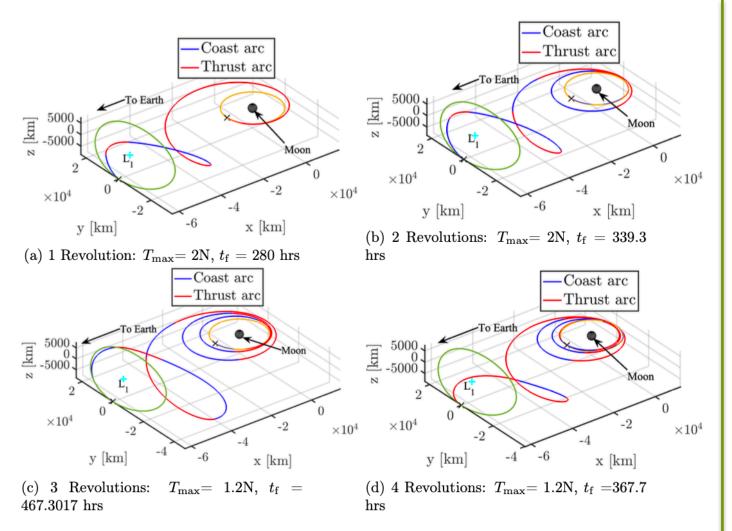


Figure 7: 4 Families of low-thrust fuel-optimal Halo-to-DRO transfers.

Project by Yanis Sidhoum, Takanori Mizuhara, and Hami Candassato



School of Aeronautics and Astronautics

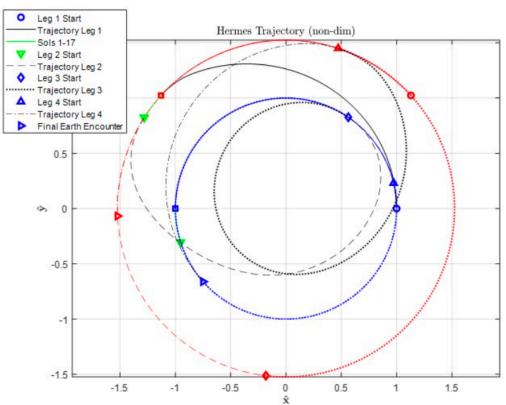
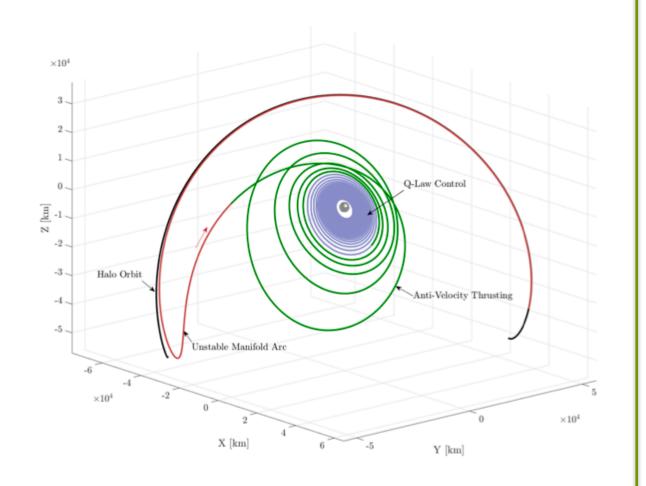


Figure 14: Final Trajectory

Project by Henry Lewis



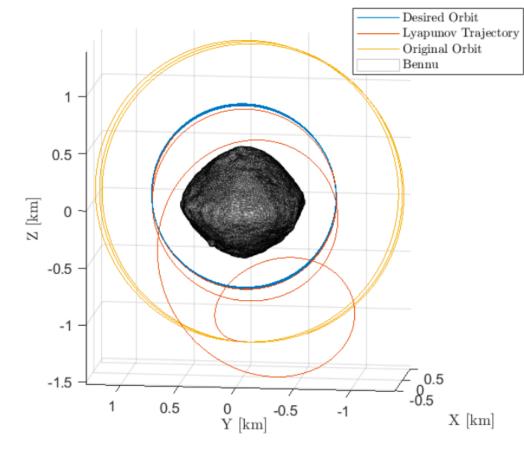


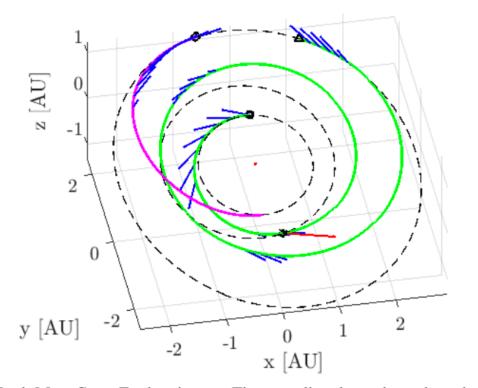
Fig. 11: Lyapunov Orbit Control in ANH3BP

Figure 12. End-to-end transfer from the halo orbit to the specified low lunar orbit in the Moon-centered inertial frame.

Project by Maaninee Gupta, Rolfe Power, and Ricardo Gomez

PURDUE School of Aeronautics and Astronautics

Project by Aaron Liao, Stav Zeliger, and Jay Singh



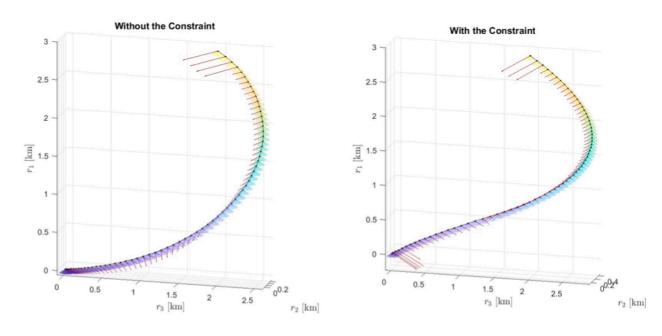


Figure 9: Thrust Direction Constraint Visualization

Figure 5: Earth-Mars-Ceres-Earth trajectory. The green line shows the outbound trajectory, and the magenta line shows the inbound trajectory. Other plotted arrows/lines represent the same data as the Earth-Mars-Ceres example.

Project by Naoya Kumagai

Project by Yanis Sidhoum, Takanori Mizuhara, and Hami Candassato

