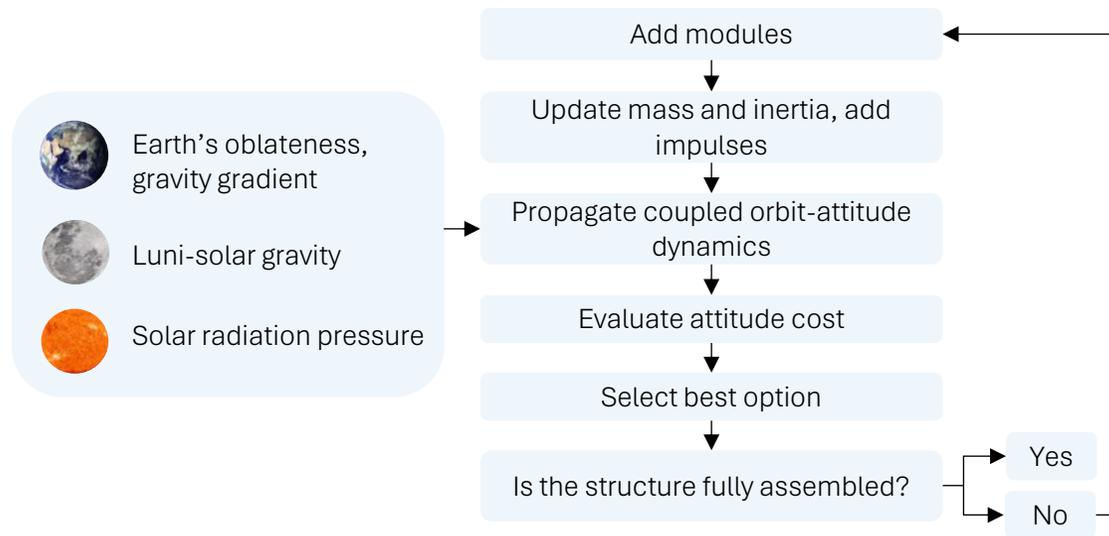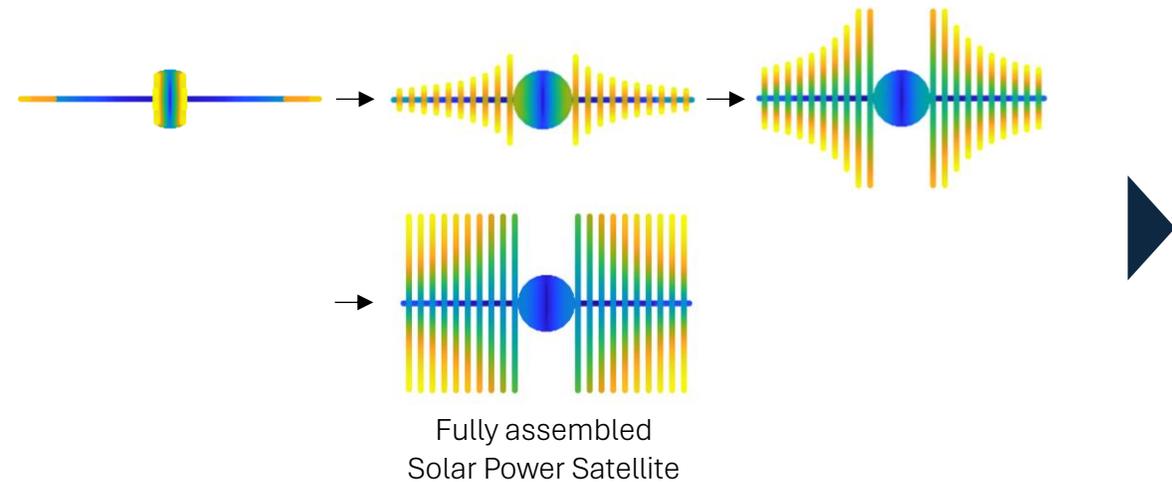# Optimisation of Assembly Sequences for Modular Solar Power Satellites Under Coupled Orbit-Attitude Dynamics
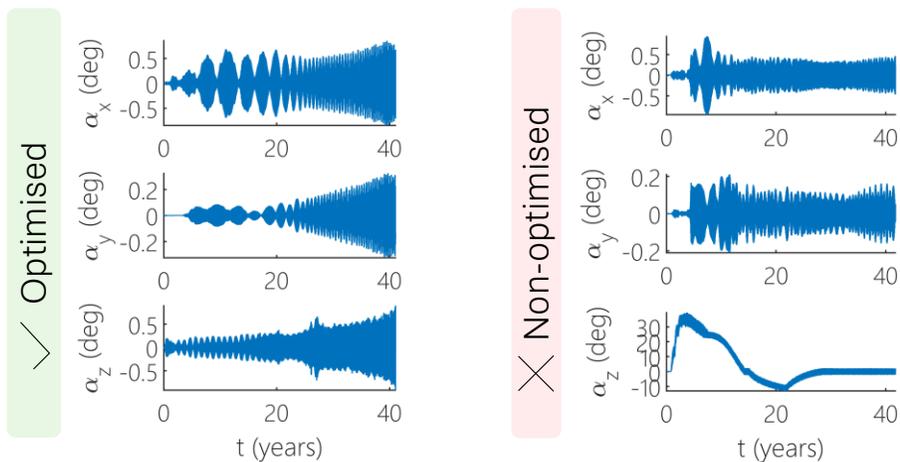
A. Assembly sequence optimisation methodology

B. Resulting optimised assembly sequence

Fully assembled
Solar Power Satellite

C. Dynamical response during assembly

D. Conclusions

Assembly order is a dynamical design variable.

Optimised sequences can passively bound disturbance-driven motion.

Coupled orbit–attitude modelling is required for large modular satellites in-orbit assembly.