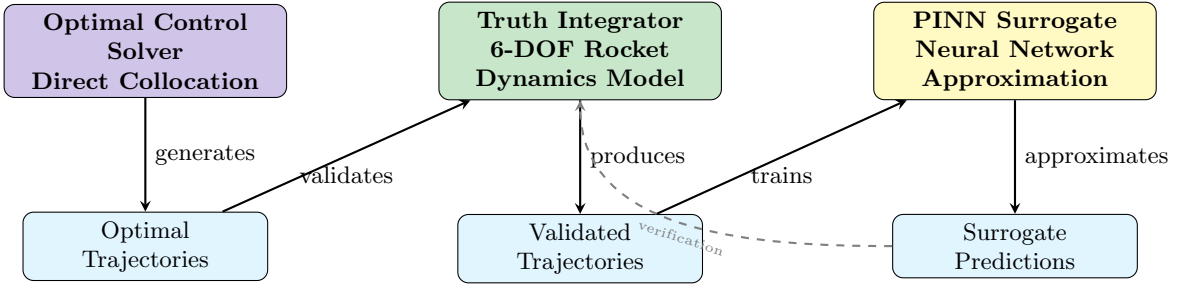
Optimal Control Solver Direct Collocation
Truth Integrator 6-DOF Rocket Dynamics Model
PINN Surrogate Neural Network Approximation
generates
validates
produces
trains
approximates
Optimal Trajectories
Validated Trajectories
verification
Surrogate Predictions