Benchmark glider model with JuMP and OptimalControl
max iter = 1000, tol = 1.0e-8, constr viol tol = 1.0e-6, solver = ma57

Model	Discretization	Iterations	Total Time	Ipopt Time	Objective Value	Flag
JuMP	100	223	2.9923	2.985	1254.61	LOCALLY_SOLVED
JuMP	500	734	37.7955	37.143	1247.98	LOCALLY_SOLVED
OptimalControl	100	126	0.539951	0.453	1254.78	Solve_Succeeded
OptimalControl	500	322	836.761	835.485	1247.98	Solve_Succeeded