## Benchmark Callbacks of rocket model with JuMP and OptimalControl

| Solver | Discretization | nnz Hessian | nnz Jacobian | Time Obj(ms) | Time Grad(ms) | Time Cons(ms) | Time Jac(ms) | Time Hess(ms) |
|---|---|---|---|---|---|---|---|---|
| JuMP | 100 | 4900 | 1904 | 0.0 | 0.0 | 0.0 | 0.08 | 0.14 |
| JuMP | 500 | 24500 | 9504 | 0.0 | 0.0 | 0.03 | 0.18 | 1.0 |
| OptimalControl | 100 | 1111 | 1904 | 0.0 | 0.0 | 0.07 | 0.68 | 0.41 |
| OptimalControl | 500 | 5511 | 9504 | 0.0 | 0.0 | 0.38 | 3.36 | 2.87 |