

Lagrangian and Hamiltonian Formulations for Simulating a Double Compound Pendulum with Uniform Rods

Gatze :3

$$T = \frac{1}{2}m(\dot{x}_1^2 + \dot{y}_1^2 + \dot{x}_2^2 + \dot{y}_2^2) + \frac{1}{2}I(\dot{\varphi}_1^2 + \dot{\varphi}_2^2)$$