

Example Problem - Le 23

- 7.11** During an extravehicular activity, an astronaut fires a thruster of his maneuvering unit, exerting a force $T=14.2$ N for 1 second. It requires 60 s from the time the thruster is fired for him to rotate through one revolution. If you model the astronaut and maneuvering unit as a rigid body, what is the moment of inertia about their center of mass?

(taken from Dynamics, 2nd Edition by Bedford & Fowler)

