



Note: In case of discrepancy between Mass values mentioned here and in the classroom, please follow whatever you have noted down in the classroom. Whichever mass values you choose to use mention them clearly in your assignment work.

A lumped mass model of a missile is given. The model is 800mm long and consists of 5 equally spaced masses. The load factor on computation is " n_z " = 3.5 and " n_x " = 2. There is a counter-clockwise rotational acceleration of 0.5 rad/sec^2 about the c.g. of the missile.

- Compute the apparent weight of 5 masses
- Compute the bending moment at C.g due to inertias loads