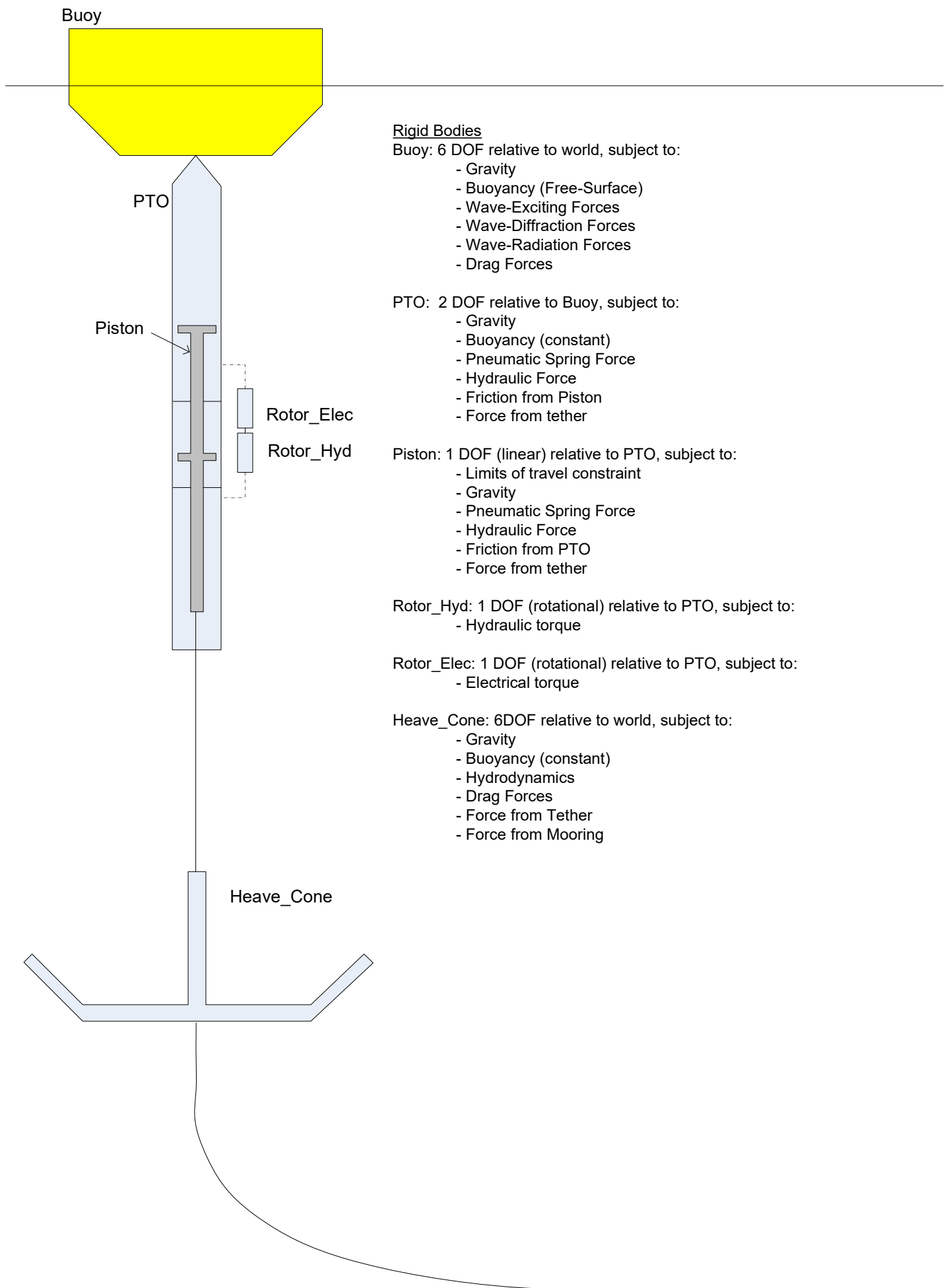




Rigid Bodies

Buoy: 6 DOF relative to world, subject to:

- Gravity
- Buoyancy (Free-Surface)
- Wave-Exciting Forces
- Wave-Diffraction Forces
- Wave-Radiation Forces
- Drag Forces

PTO: 2 DOF relative to Buoy, subject to:

- Gravity
- Buoyancy (constant)
- Pneumatic Spring Force
- Hydraulic Force
- Friction from Piston
- Force from tether

Piston: 1 DOF (linear) relative to PTO, subject to:

- Limits of travel constraint
- Gravity
- Pneumatic Spring Force
- Hydraulic Force
- Friction from PTO
- Force from tether

Rotor_Hyd: 1 DOF (rotational) relative to PTO, subject to:

- Hydraulic torque

Rotor_Elec: 1 DOF (rotational) relative to PTO, subject to:

- Electrical torque

Heave_Cone: 6DOF relative to world, subject to:

- Gravity
- Buoyancy (constant)
- Hydrodynamics
- Drag Forces
- Force from Tether
- Force from Mooring

