* Finding center of pressure is generally difficult to do without knowing how the air flows over the rocket
* Pressure variations need to account for compressibility effects and fluid dynamics, and are most often found through simulation software

A diagram of a pressure

AI-generated content may be incorrect.

* For a small, subsonic, TVC rocket, this method is overkill for what I need
  + Also, the rocket does not rely on fins for aerodynamic stability, so finding the exact center of pressure isn’t as important
* There won’t be significant variation in pressure around the body of the rocket so we can assume it to be constant
* This means the CP calculation can be simplified to finding the centroid of the rockets projected area

A diagram of a rocket

AI-generated content may be incorrect.