Spacecraft Assembly - Physics Setup

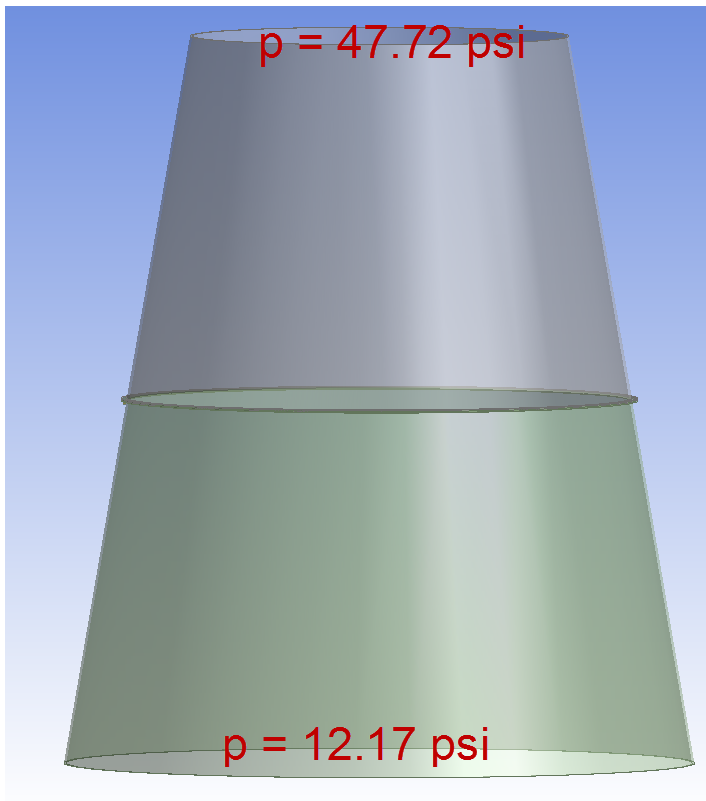Authors: Rajesh Bhaskaran & Michael Mahoney, Cornell University

Physics Setup

⚠ Under Construction

Gas Pressure

The pressure values at the top and bottom of our model are indicated in the image below.

The regeneration channels are omitted in the model. In exchange, a free body diagram is used to deduce the equivalent forces on the mid nozzle and lower nozzle (the upper nozzle is not modeled here). This force pair is modeled as two separate forces.

Go to Step 5: Numerical Solution

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