

ANSYS - Modal Analysis of a Satellite

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Problem Specification

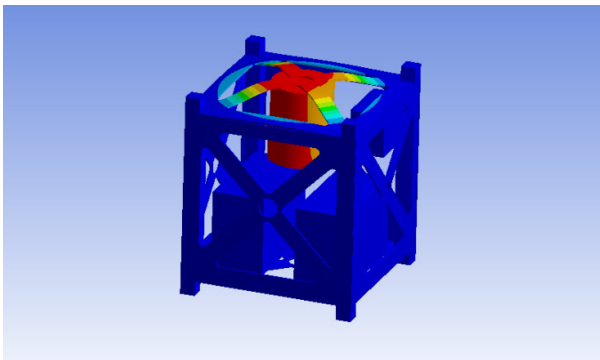
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Modal Analysis of a Satellite

Created using ANSYS 14.5

Problem Specification

A simplified CubeSat is held in a rectangular box called a P-POD while being launched into orbit. The 1U CubeSat with legs has dimensions of 10.5cm x 10cm x 10cm. The structure is made of Aluminum 6061-T6. The CubeSat also contains boxes and a cylinder, which represent simplified internal components such as a main flight computer and the attitude control system.



Mock CubeSat



P-Pod Launcher

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