

Model Reduction Techniques with RBE2 and RBE3 Connection for Structural Results of Handling/Lifting Fixtures for Satellite Payloads

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Abstract: A fixture is design to hold, support and locate every component with accuracy. Fixture design is very important step for the setup-planning phase. The present work aims to get proper result with accurate connection of the fixture. In this work, two techniques are built for fixture analysis, give the comparison of structural results of full model, and reduce model with connection of RBE 2 and RBE 3. Design and analysis of fixture is done by using known softwares, inventor and hyperworks.

Keywords: fixture design, structural analysis, RBE2 and RBE3 connection.

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