

Review of manuscript “Determining the Laminate Orientation Code from a List of Possible Layups and Know Material via Strain Gauge Measurements”

ME EN 6960

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1 Synopsis:

This paper discusses and presents results for an experiment that utilizes laminated plate theory (LPT) with experimental techniques in order to determine the correct layup orientations of a carbon-fiber composite laminate from a list of possible layups. The experimental techniques included a four-point bend test of the specimen with strain gauges attached to measure strain during flexure. These strains were then compared to LPT predicted strains at the given loading conditions for all possible layups to determine which layup matches the specimen.

2 Comments on the technical aspects of the manuscript

The test method for ASTM D6272-17 is not being replicated in this experiment as claimed. The mentioning of this standard should be left out of the manuscript. Equation 2 and 3 are a bit confusing!!!!!!!!!!!!!!!!!!!!

3 Comments related to non-technical aspects of the manuscript