Evaluation of Structural Integrity for Composite Lattice Structure

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Abstract : In this paper, evaluation of structural integrity for composite lattice structure was conducted by compressive test. Composite lattice structure was manufactured by carbon fiber using filament winding method. In order to evaluate the structural integrity of composite lattice structure, compressive test was done using anti-buckling fixture. The delamination occurred 84 Tons of compressive load. It was found that composite lattice structure satisfied the design requirements.

 ${\bf Keywords: composite material, compressive test, lattice structure, structural integrity}$

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