

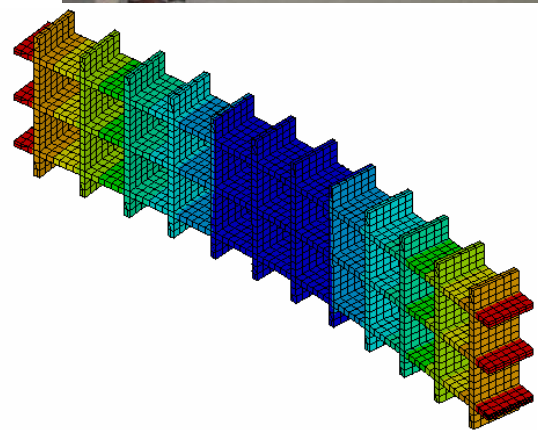


# Composites Research Laboratory

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## Capabilities

- ✓ Design of Composite Structures.
- ✓ Characterization of Composite Materials.
- ✓ Stress Analysis of Composite Structures.
- ✓ Finite Element Analysis.
- ✓ Prototyping.
- ✓ Master and Mold Designing and Manufacturing.
- ✓ Computer Aided Design.
- ✓ Component Testing of Composite Structures.
- ✓ Full Scale Testing of Composite Structures.



## Equipment

- ✓ Hand Lay up Equipments.
- ✓ Vacuum Pump.
- ✓ Universal Tensile Test Machine.
- ✓ Charpy and Izod Impact Machines.
- ✓ Instrumented Drop Weight Impact Testing Machine.
- ✓ Torsion Test Machine.
- ✓ Hole Drilling Equipments.
- ✓ 10-Channel Data Acquisition System.
- ✓ Various Fixtures for Shear, Compression and Three-Point Bending Tests.
- ✓ Various Types of Resins and Fibers.

