

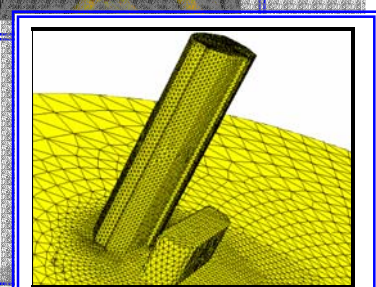
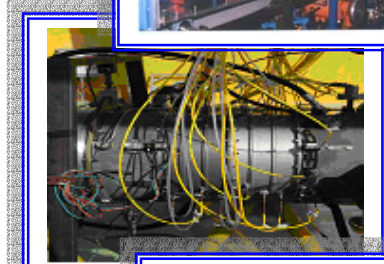


Aerodynamics Research Laboratory

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Capabilities

- ✓ **Measurement of Aerodynamics Forces and Moments Exerted on Various Objects**
- ✓ **Road Vehicle Aerodynamics**
- ✓ **Tall Building Aerodynamics**
- ✓ **Axial Compressor Design**
- ✓ **Computational Fluid Dynamics**
- ✓ **Gas Turbine Engine Performance Tests**
- ✓ **Component Testing of Gas Turbine Engines**
- ✓ **Design and Manufacturing of Wind Tunnels**
- ✓ **Aerodynamics Shape Optimization**
- ✓ **Experimental and Numerical Studies on Transitional Flows**



Equipment

- ✓ **Closed Circuit Subsonic Wind Tunnel**
- ✓ **3 Open Circuit Subsonic Wind Tunnels**
- ✓ **Supersonic Wind Tunnel**
- ✓ **Moving Ground Test Facilities**
- ✓ **Hot Wire Anemometry with Traverse Mechanism**
- ✓ **External 6-Component Balance Device**
- ✓ **Smoke Tunnel**
- ✓ **Smoke Generator for Flow Visualization**

