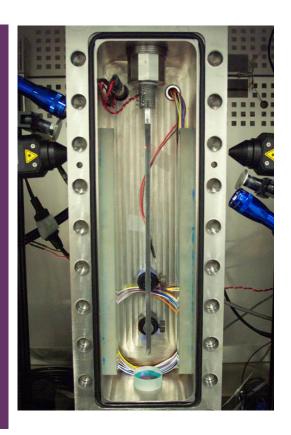
## Elastic Characterization of Materials

Service Center



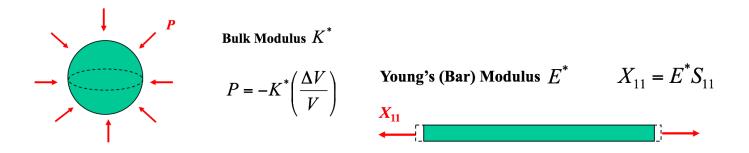




## Dynamic Elastic Properties of Materials as a Function of Temperature and Hydrostatic Pressure

The laboratory features 3 Thermotron environmental chambers for temperature control, 3 compact Polytec laser Doppler vibrometers, one Instron load frame for static tension/compression testing and several custom-made pressure chambers

## Service Center Capabilities



The laboratory core capabilities consist of two independent systems to measure the complex bulk and Young's moduli of materials. The typical measurement ranges for viscoelastic materials are:

- Frequency: 100 Hz to 5000 Hz
- Temperature: -2° C to 50°C
- Pressure: o to 300 psi (Young's) and o to 1000 psi (Bulk)

