

Some past term projects in Continuum Mechanics ESS 511

- Stress and strain in glacial firn
- Glacier structures produced by icefalls
- A look at stress and strain in an iceberg
- The mechanics of caldera-forming eruptions and analysis of Yellowstone Caldera
- Disappearing craters on Mars
- A discussion of static stress triggering
- Stress states and tectonic environments
- Stress change from pole tide modulation
- Introduction to the magnetotelluric phase tensor
- Longitudinal strain rates and firn compaction in northeast Greenland
- North-South stress/strain segmentation of the Cascadia subduction zone
- Viscosity on Earth's oceans
- Defining viscosity in firn densification models
- Ice cliff failure
- Electromagnetic wave propagation in ice
- Estimating earthquake magnitudes along normal faults in Thingvellir National Park, Iceland
- Changing stress in the subducting oceanic lithosphere: potential for a northern Chile case study
- Interseismic strain accumulation on locked fault zones from GPS velocities
- Tidal heating of Europa
- Modeling linear elasticity with Fenics