M E 531: Mechanical Behavior of Engr Materials

MECHANICAL ENGINEERING

The dislocation concept of plastic deformation is introduced and used to explain the relationships between microstructure and mechanical properties. The phenomena of strain hardening, creep, fatigue, and fracture are discussed in detail.

3 Credits

Prerequisites

- Pre-requisite: Engr 313 or Graduate Standing

Instruction Type(s)

- Lecture: Lecture for M E 531

Subject Areas

- Mechanical Engineering
- Materials Science

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