

6.1) Trusses

Trusses

- Slender members are connected at their ends
- Connected using either a gusset plate or pin

Planar Truss

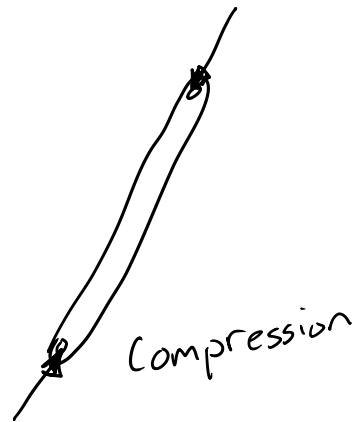
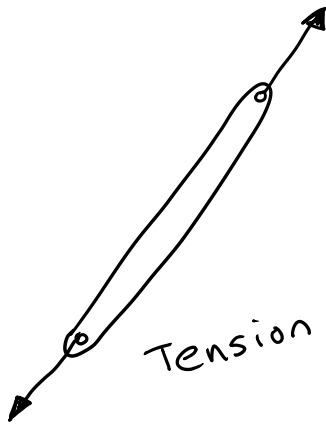
All members lie in a single plane

Simple Truss

Truss members form triangles

Assumptions

- All loads are applied at the connections (joints)
- No moment reactions are developed at the joints
- Result is that truss members are two-force members



ENGR 2241 – Statics
Section 6: Structural Analysis