Strength S, Sy, Sa - property of the material and the geometry

Stress 5
Lynormal Ly stear stresses
- property of State of the
element of interest, depends on
loading, geometry

Max stress LK Strength

factor of = Strength

Safety max stress

Max allowable parameter

designfactor: pre-design turget formy final factor of safety

ensure FoS > DF

Transet

actual

DF look for goals - Standards and codes -institutional Knowledge (experience) - testing