

Engineering Geology (10)

- Engineering properties of ground
- Strength vs Stress
- Strengths: compressive (uniaxial, triaxial), tensile, shear

- Strength tests:
- (1) PLS (Point Load Strength) as an index
- (2) UCS (Uniaxial Compressive Strength)
- (3) BTS (Brazilian Tensile Strength)
- (4) Triaxial test
- (5) Shear test

- Strength vs Elasticity
- Strength vs Hardness (fracturing?)
- (i.e.) hard sandstone vs soft shale