TUTORIAL 1 (3/3)

(1) consider a layer of thickness dy, then **Δσv'/D=δt/dy** where D=one dimensional modulus of elasticity and δt=settlement of layer dy.

hence for the whole layer at time t: δt=(1/D)x

(2) δ∞=(1/D)xΔσvxH

(1)+(2) δt/δ∞= /(Δσv x H)=1/H/Δσv= average U

where average U=1/H\* look at the notes