

Figure.6.13 Series of Mohr circles from three undrained compression tests on the same soil. The tests were conducted at three different total confining pressures (σ_3).

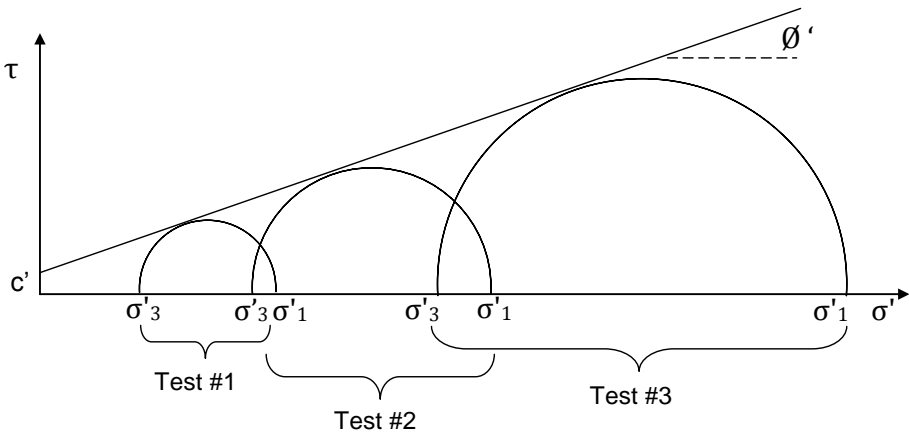


Figure 6.14 Mohr circles for a series of effective stress (drained) triaxial compression tests conducted at three different confining pressures on the same soil.

$\sigma_1 - u$, where u is the pore water pressure. It is seen that in drained shearing the soil strength is a function of the effective confining pressure, in contrast to undrained shear where the strength is independent of the total confining pressure.