

Calculating Drucker-Prager strength parameters from Mohr-Coulomb strength parameters for use in Phase2:

For associated flow:

$$q = \frac{\sin \phi}{\sqrt{1 + \frac{1}{3} \sin^2 \phi}} \quad k = \frac{c \cos \phi}{\sqrt{1 + \frac{1}{3} \sin^2 \phi}}$$

For non-associated flow (0 dilatancy):

$$q = \sin \phi \quad k = c \cos \phi$$