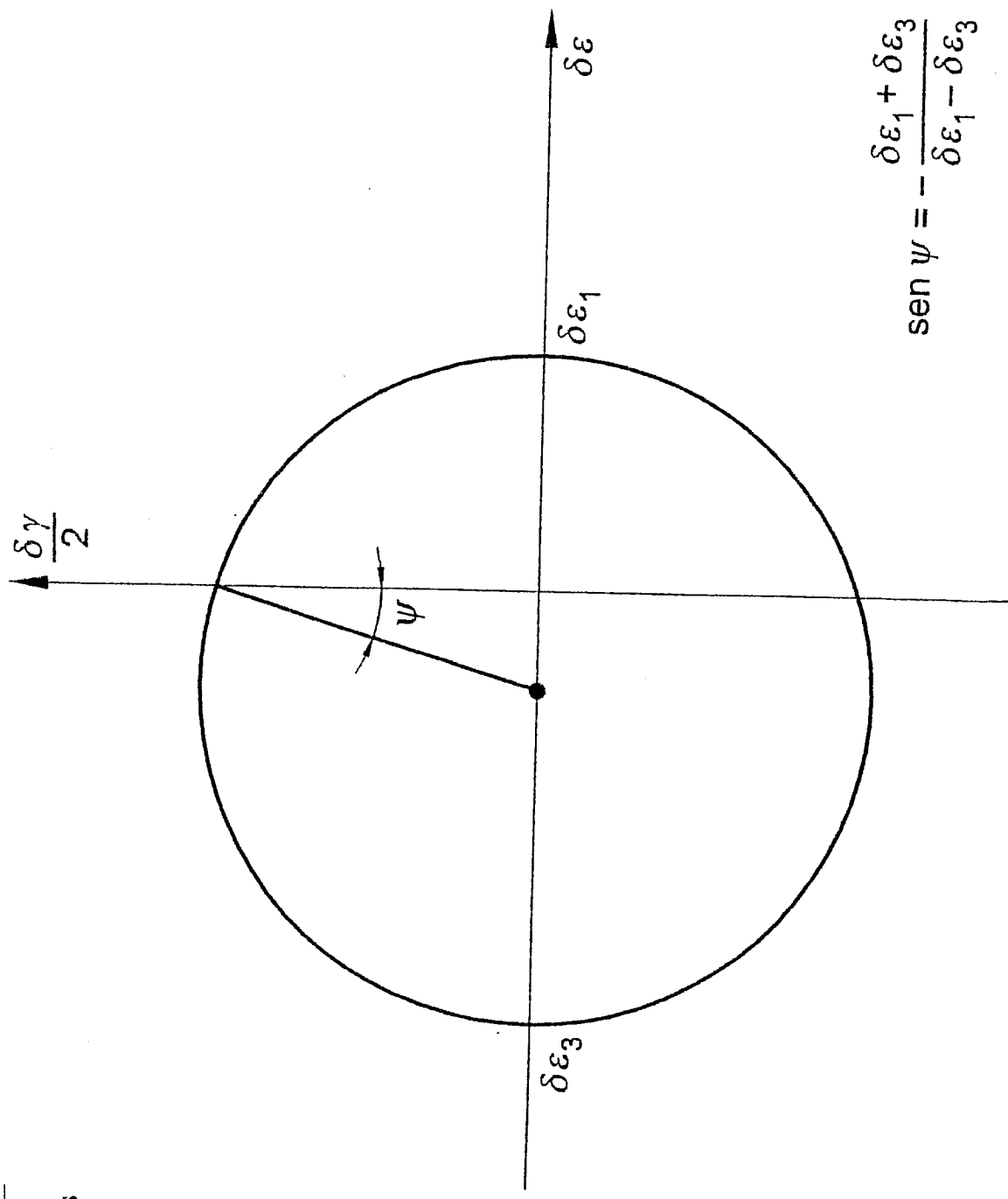


DEFINIZIONE DI ANGOLO DI DILATANZA

$$\text{sen}(\psi) = \frac{\delta\varepsilon_1 + \delta\varepsilon_3}{\delta\varepsilon_1 - \delta\varepsilon_3} = \frac{\delta\varepsilon_v}{\delta\varepsilon_s}$$



$$\text{sen } \psi = -\frac{\delta\varepsilon_1 + \delta\varepsilon_3}{\delta\varepsilon_1 - \delta\varepsilon_3}$$