Μάζεμα σχέσεων για κύκλους Mohr αστοχίας

c ≠ 0, φ	c = 0, φ
$\sigma'_{1f} = \sigma'_{3f}\ tan^2\left(45 + \frac{\varphi}{2}\right) + 2\ c \tan\left(45 + \frac{\varphi}{2}\right)$	$\frac{\sigma'_{1f}}{\sigma'_{3f}} = tan^2\left(45 + \frac{\varphi}{2}\right)$
$K_p = tan^2\left(45 + \frac{\varphi}{2}\right)$	
$\sigma'_{3f} = \sigma'_{1f}\ tan^2\left(45 - \frac{\varphi}{2}\right) - 2\ c \tan\left(45 - \frac{\varphi}{2}\right)$	$\frac{\sigma'_{3f}}{\sigma'_{1f}} = tan^2\left(45 - \frac{\varphi}{2}\right)$
$K_a = tan^2\left(45 - \frac{\varphi}{2}\right)$	
$sin\varphi = \frac{\sigma'_{1f} - \sigma'_{3f}}{\sigma'_{1f} + \sigma'_{3f} + 2\ c/tan\varphi}$	$sin\varphi = \frac{\sigma'_{1f} - \sigma'_{3f}}{\sigma'_{1f} + \sigma'_{3f}}$