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## NOMENCLATURE

c	cohesion, Nm <sup>-2</sup>
J	deviatoric stress invariant
k	material constant expressing internal friction properties of the intact rock, varies with the value of $\alpha$
SRF	Strength reduction factor

## Greek symbols

$\alpha$	material constant expressing internal friction properties of the intact rock
$\sigma$	principal stress, Nm <sup>-2</sup>
$\varphi$	angle of friction, degrees

## Subscripts

Ins	Inscribed
Cir	Circumscribed