Rapport Hebdo

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3SR

13 octobre 2025

Modifications sur les paramètres

kineticStress = 1 : Ajouter les parties :

$$\dot{r} = \dot{s}h + \dot{h}s$$

$$\ddot{s} = h^{-1}(\ddot{r} - 2\dot{h}\dot{s} - \ddot{h}s)$$

Échantillon lâche : $\mu_{\mathsf{isoComp}} = \mu_{\mathsf{triaxialComp}} = 0.5$

Réglage sur Kappa :

$$W_{particule} = K/(K+1) = 1/(1+1) = 0.5;$$
 $k_n^{elas} = k_n \times W_{particule} \times \eta_{amort};$ $\sigma_3 = 30 \times 10^3;$ $\kappa = \frac{k_n}{\sigma_3 \overline{a}} = \frac{3 \times 10^6/2}{30 \times 10^3 \times (2 \times 0.004)} = 6250$

200

180

160

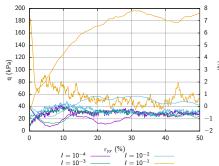
140 120

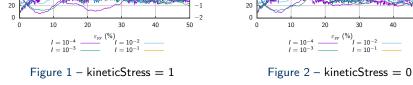
60

40

(KPa) 100

Influnce du terme dynamique





Presque la même chôse

$$I = 10^{-1}$$
, pic?



1000 particules

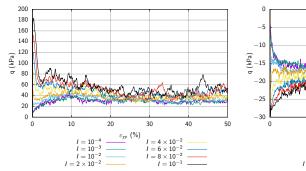


Figure 3 - Compression

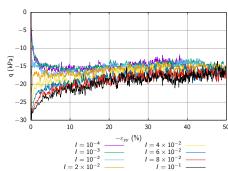


Figure 4 - Extension

1000 particules

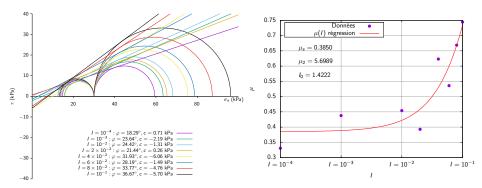


Figure 6 – $\mu(I)$ rhéologie

Figure 5 - Cercles de Mohr



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3000 particules

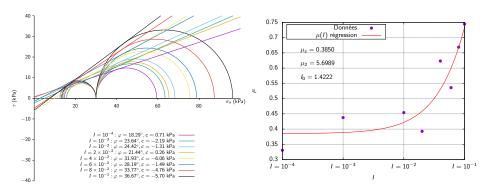


Figure 8 – $\mu(I)$ rhéologie

Figure 7 - Cercles de Mohr



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