

# Stabilisation de la cavitation d'une suspension de particules



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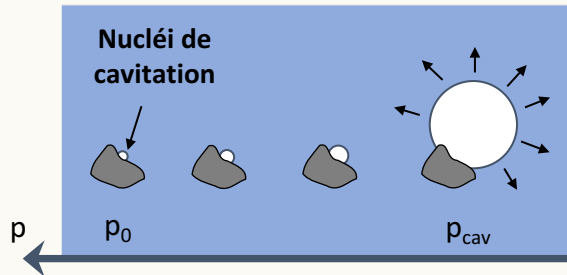
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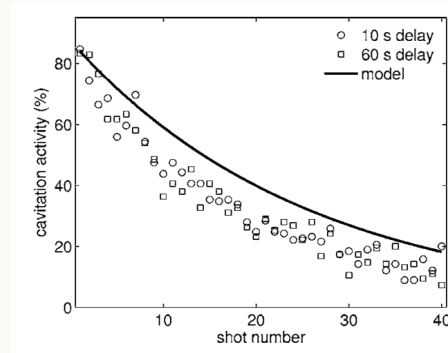
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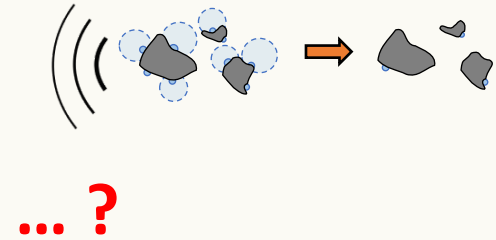
## Cavitation hétérogène



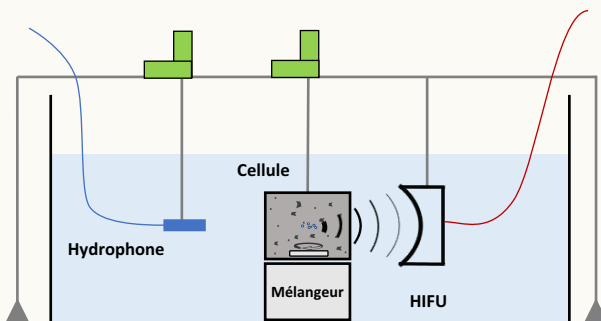
## Epuisement des nucléis [1]



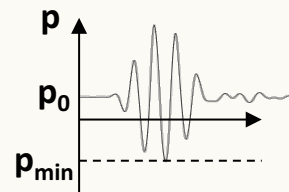
[1] B. M. Borkent, M. Arora C-D. Ohl, J. Acoust. Soc. Am., 121, 1406-1412 (2007).



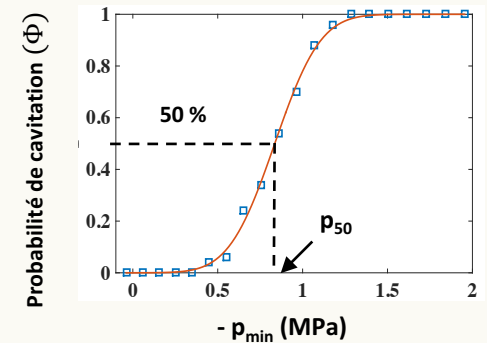
## Dispositif expérimental



Répété toutes les 0,5 s pendant plusieurs heures

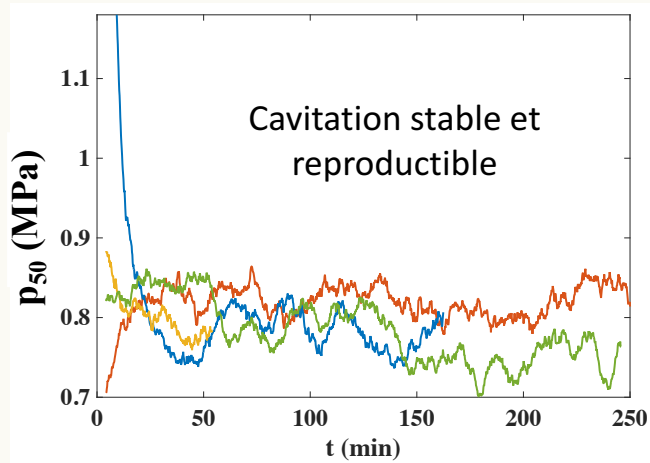


Toutes les 1000 impulsions



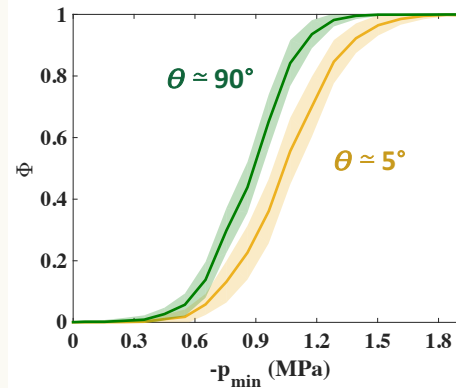
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## Evolution temporelle

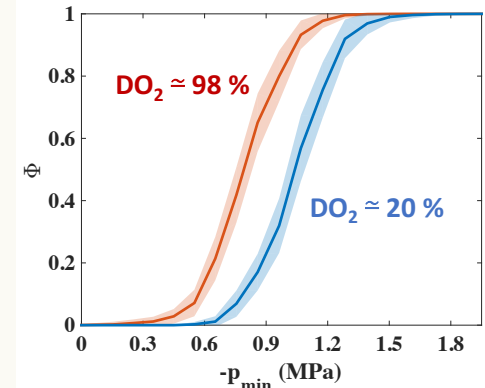


## Influence de la suspension

### Angle de contact



### Taux de gaz dissous



▶ Stabilisation de la cavitation après 30 min d'excitation

▶ La cavitation à temps long tire son origine de nucléi de cavitation

