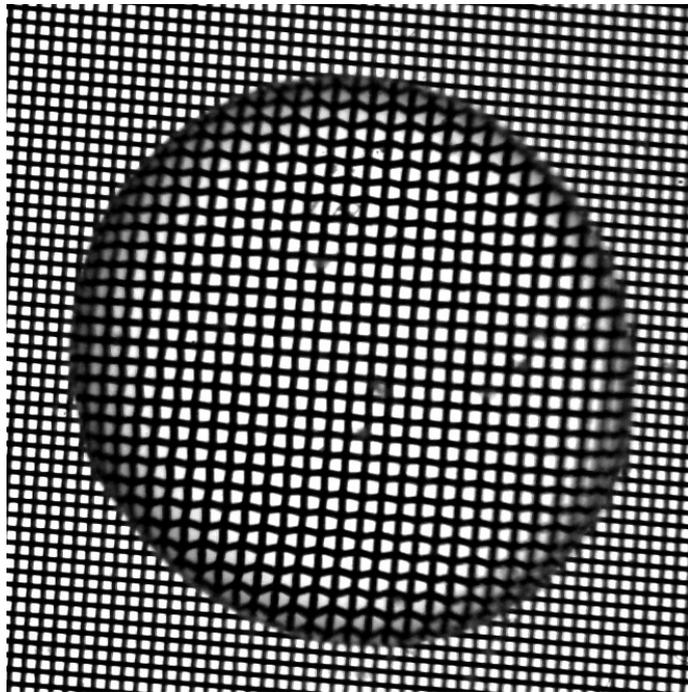


Instabilité d'oscillation d'une goutte posée excitée par une Onde Acoustique de Surface

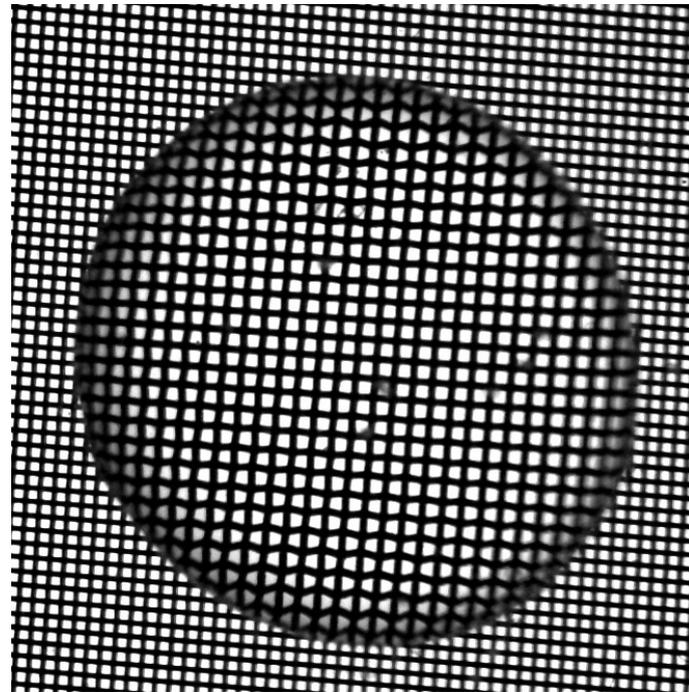
Nicolas Chastrette, Laurent Royon, Michael Baudoin, Philippe Brunet, Régis Wunenburger

Problématique : Étude des vibrations de la goutte.

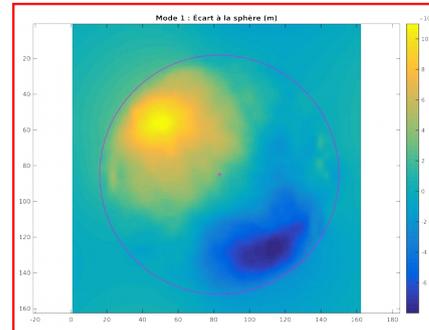
↳ Comprendre le couplage non linéaire entre l'onde et la forme de la goutte



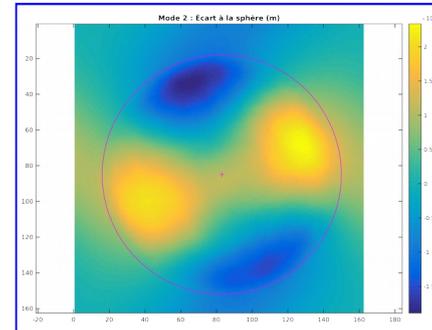
Goutte au repos



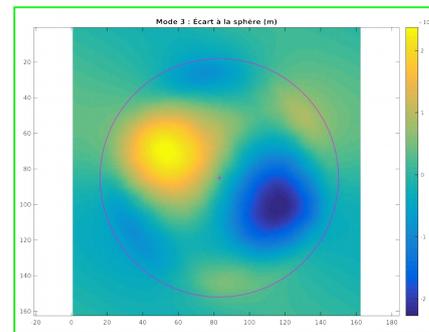
Reconstruction des modes de vibrations



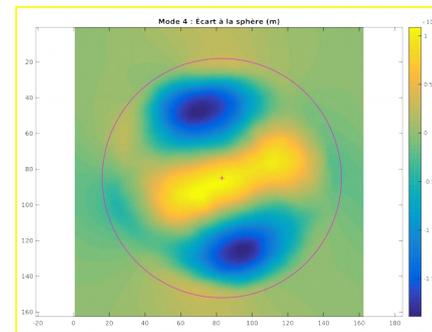
$f=43\text{Hz}$



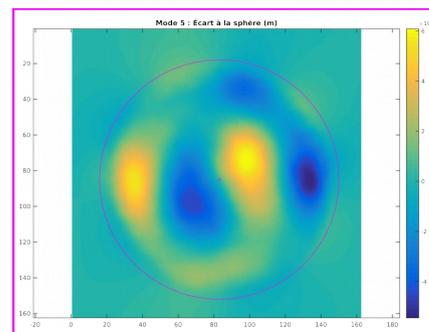
$f=85\text{Hz}$



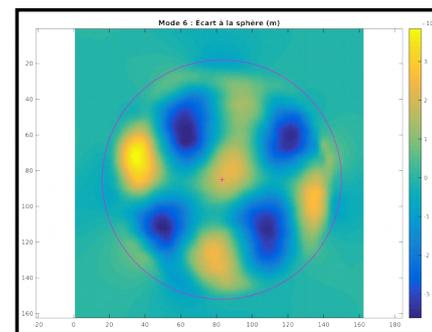
$f=140\text{Hz}$



$f=203\text{Hz}$



$f=264\text{Hz}$



$f=338\text{Hz}$