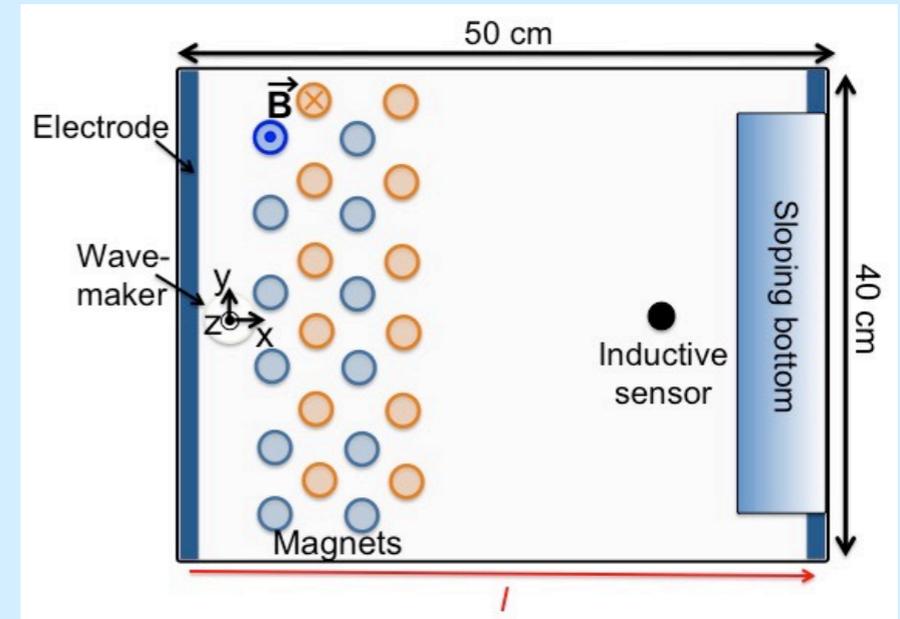
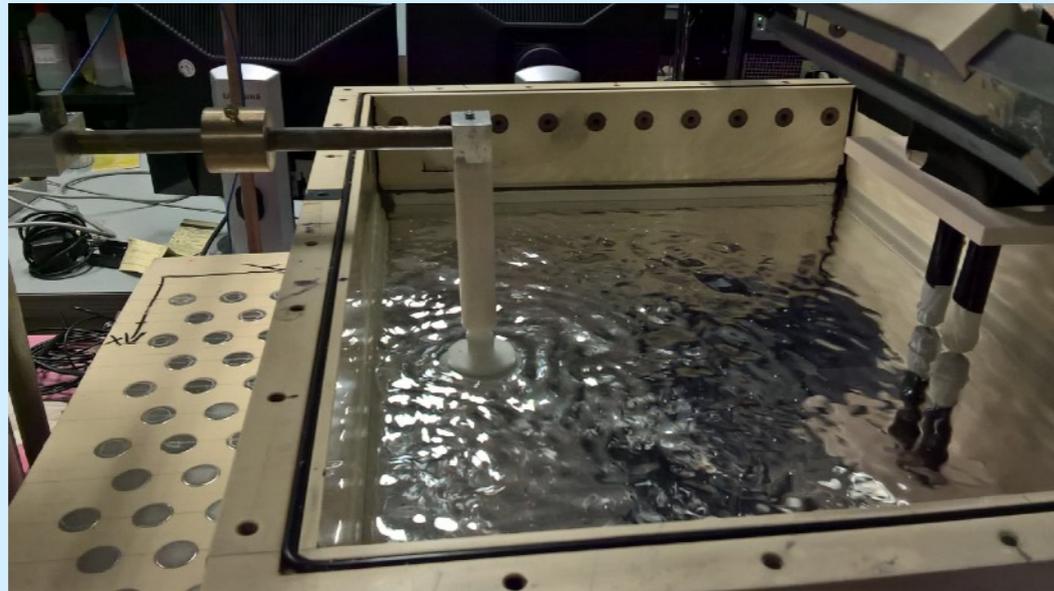
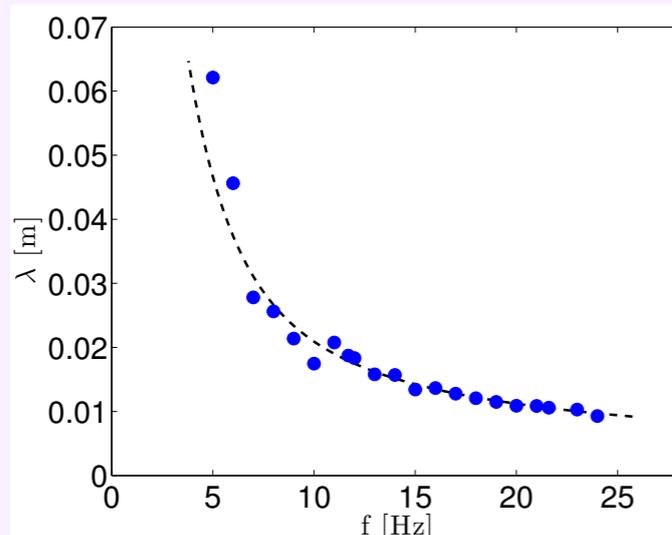


Dispositif Expérimental



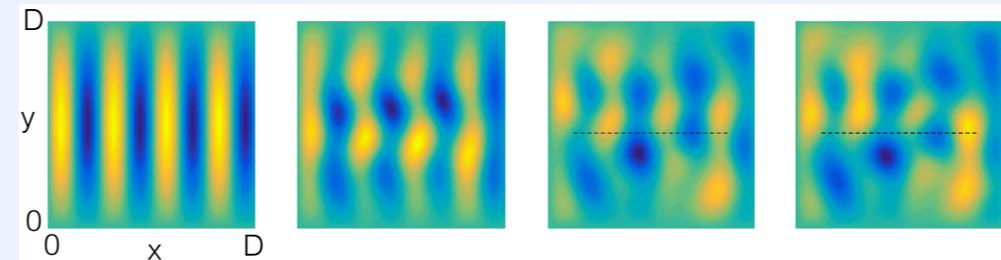
Ondes à l'interface Gallinstan / eau



$$\Omega(k)^2 = \left(\frac{\rho - \rho'}{\rho + \rho'} gk + \frac{\sigma}{\rho + \rho'} k^3 \right) \tanh(kH)$$

Aimants + courant = (force de Lorentz) = un écoulement

- ➡ Faible courant : écoulement de Kolmogorov laminaire
- ➡ Fort courant : écoulement instable



Comment utiliser les ondes pour mesurer cette bifurcation ?