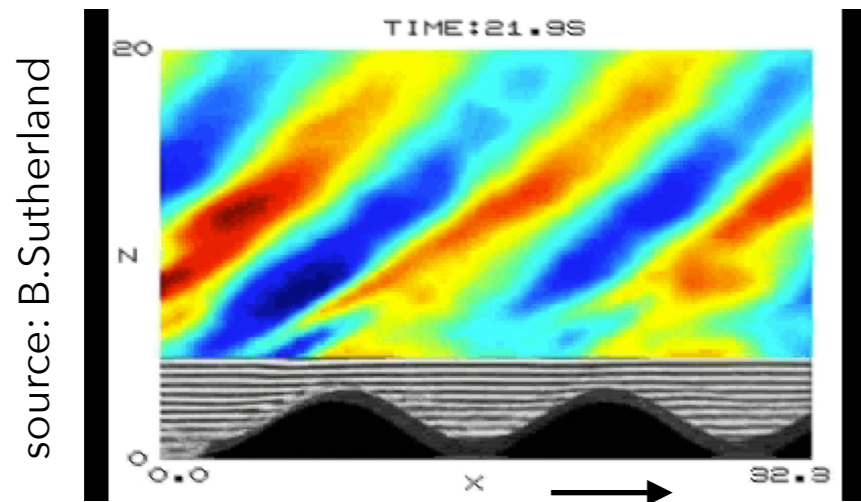
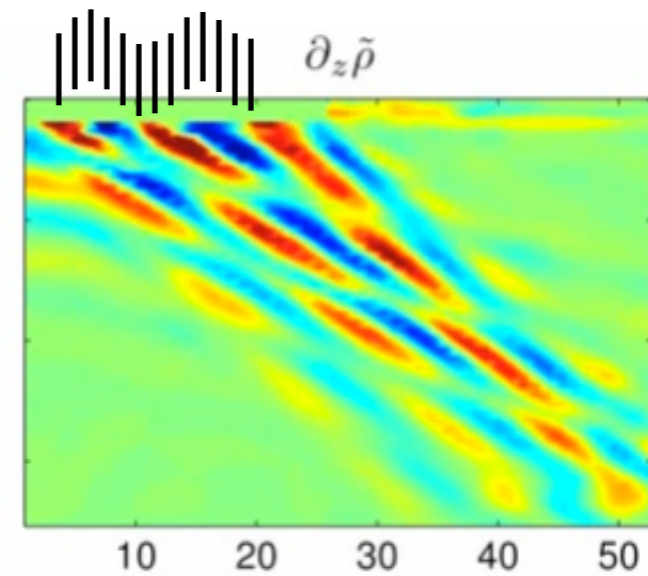


# Ondes de gravité internes, De la stabilité locale aux mélanges abyssaux



experiences

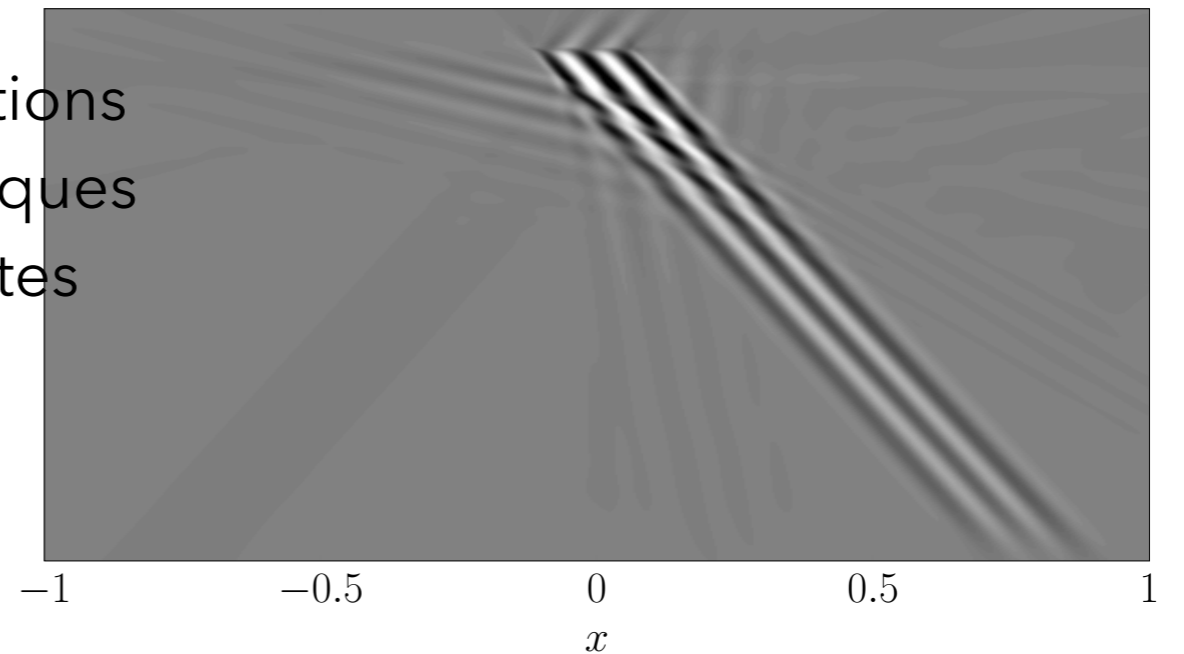
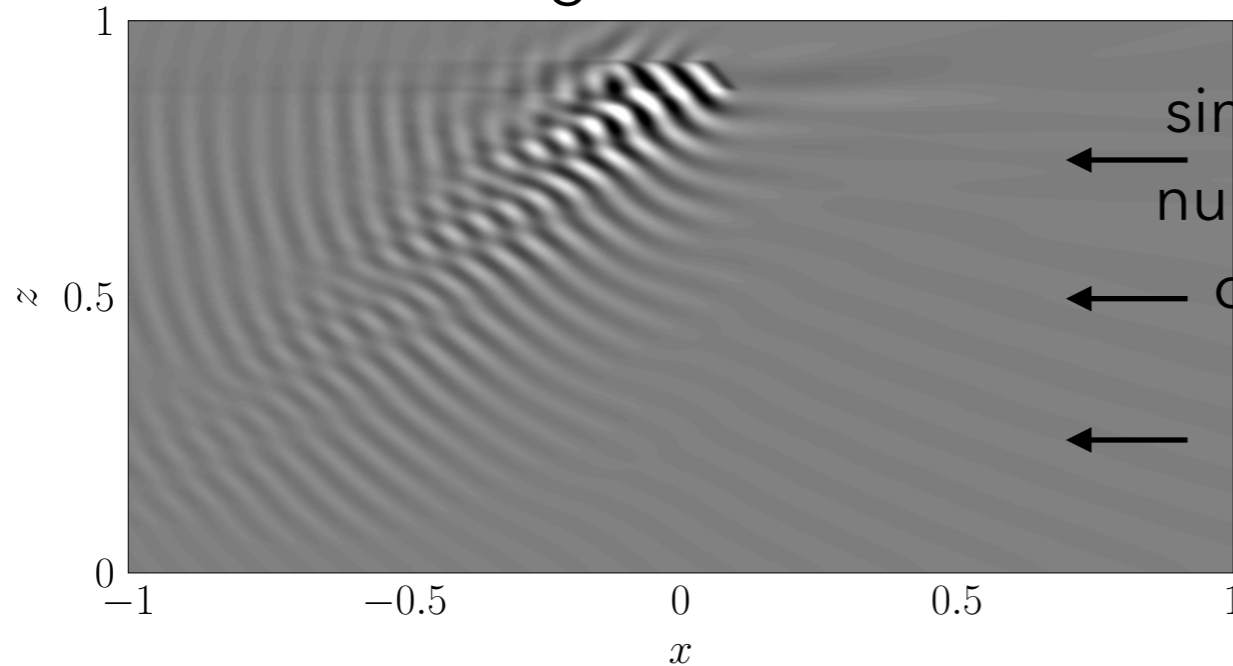


source: T.Dauxois

**montagne**

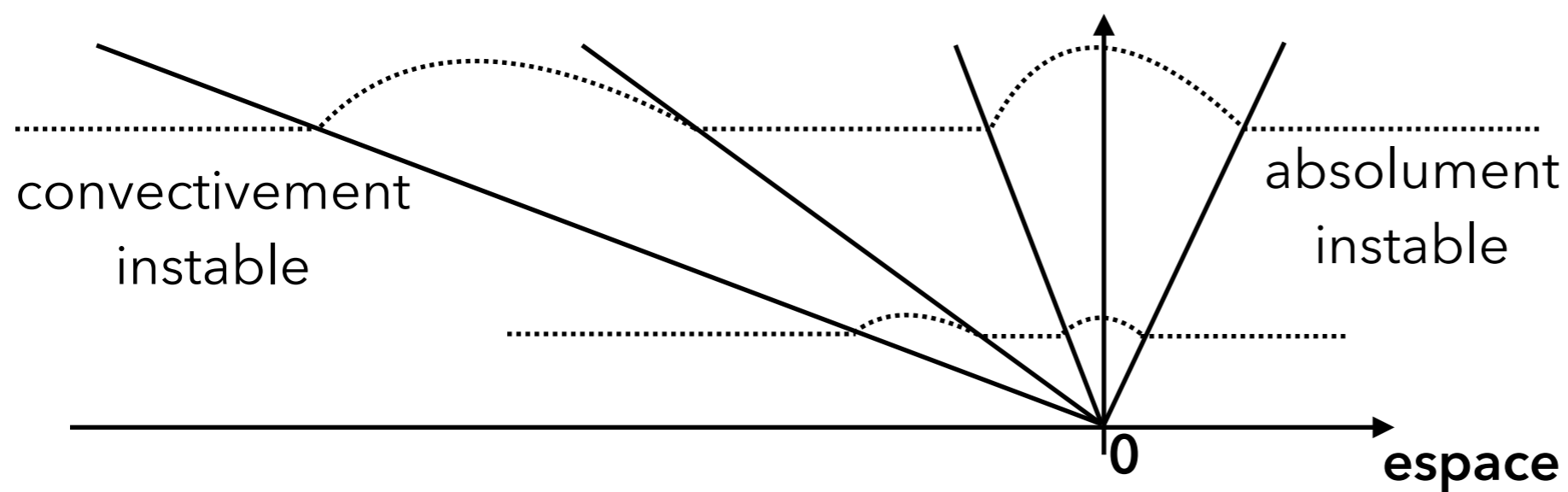
*mode grande échelle*

*mode petite échelle* **marée**

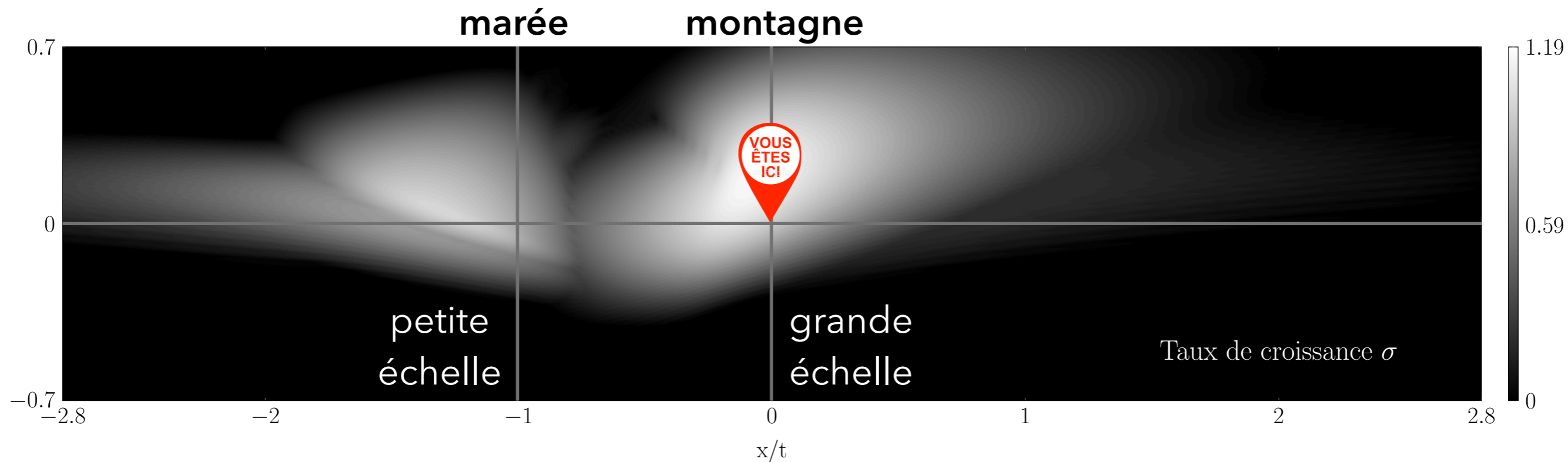


Gaétan Lerisson, Jean-Marc Chomaz & Sabine Ortiz  
LadHyX, École polytechnique

# Stabilité locale, réponse impulsionnelle



Simulation linéarisée  
onde plane progressive  
400 X 100  $\lambda$   
32768 X 8192 points



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LadHyX, École polytechnique

# Instabilités triadiques

$$k_0 = k_1 + k_2$$

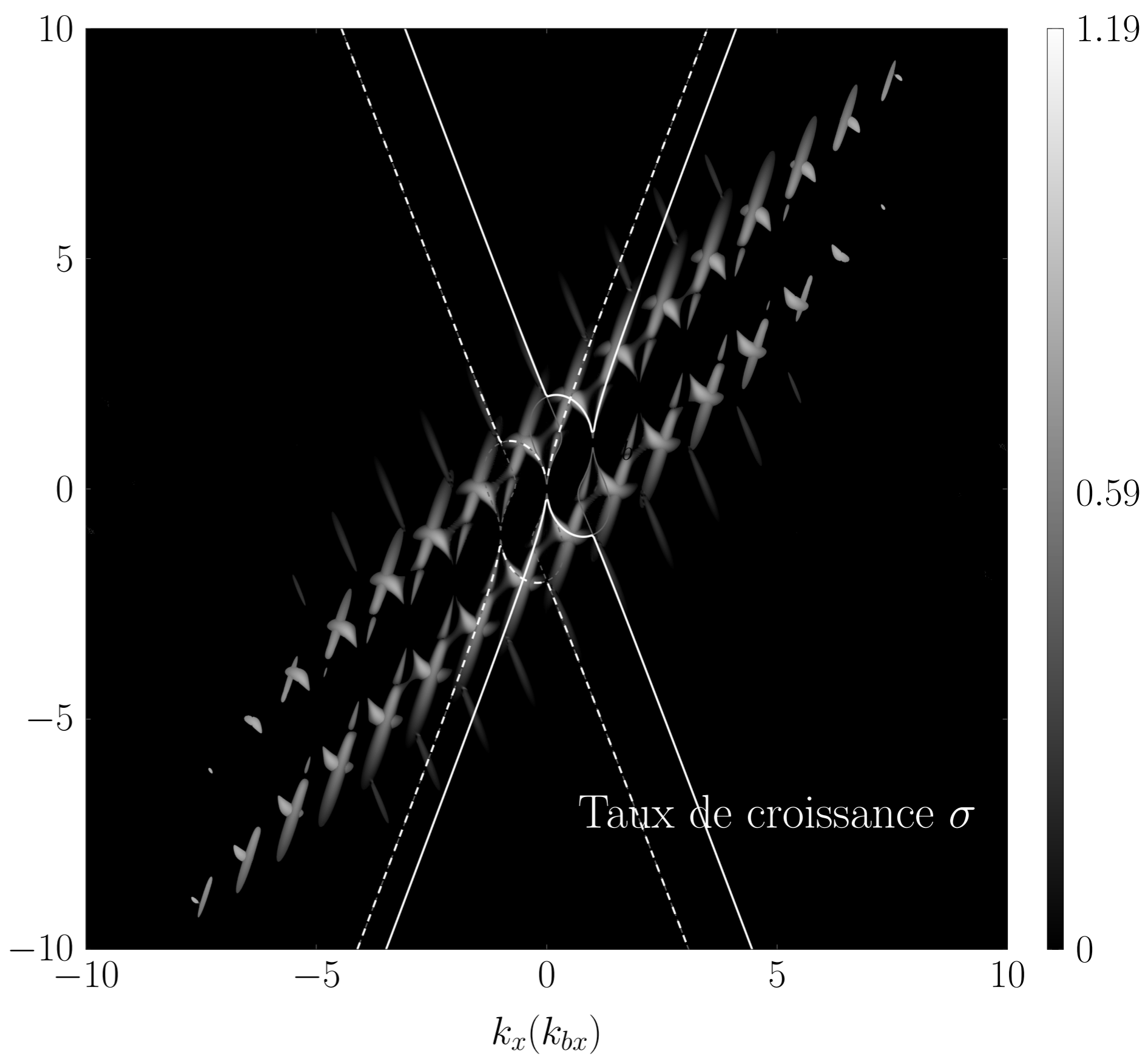
$$\omega_0 = \omega_1 + \omega_2$$

trois branches instables

mode petite échelle  
absolument instable  
référentiel marée

mode grande échelle  
absolument instable  
référentiel montagne

$k_z(k_{bz})$



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LadHyX, École polytechnique