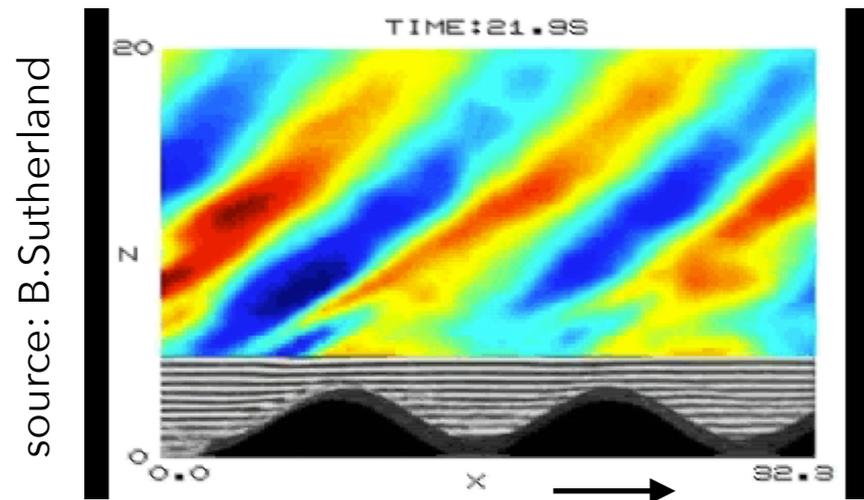
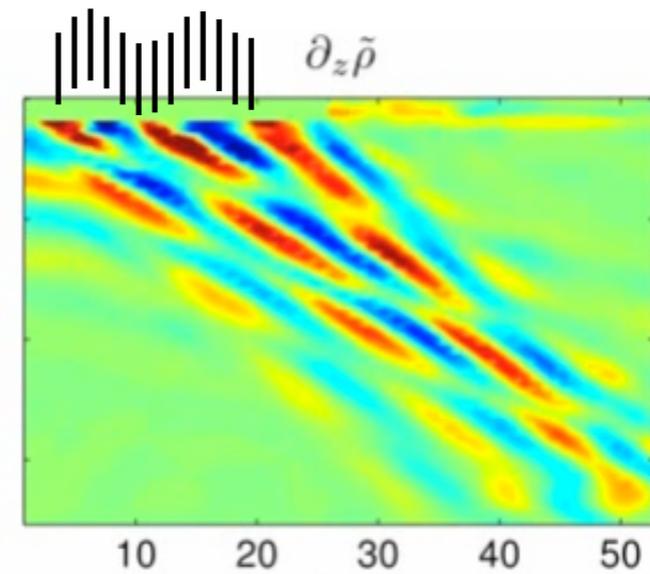


Ondes de gravité internes, De la stabilité locale aux mélanges abyssaux



experiences



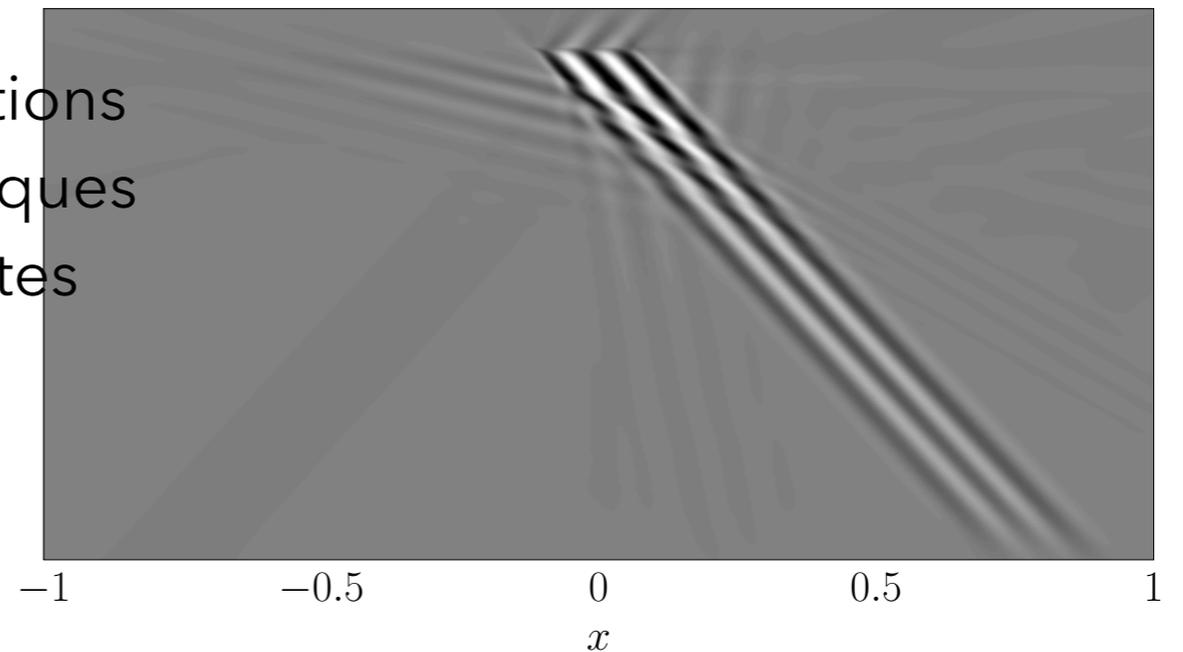
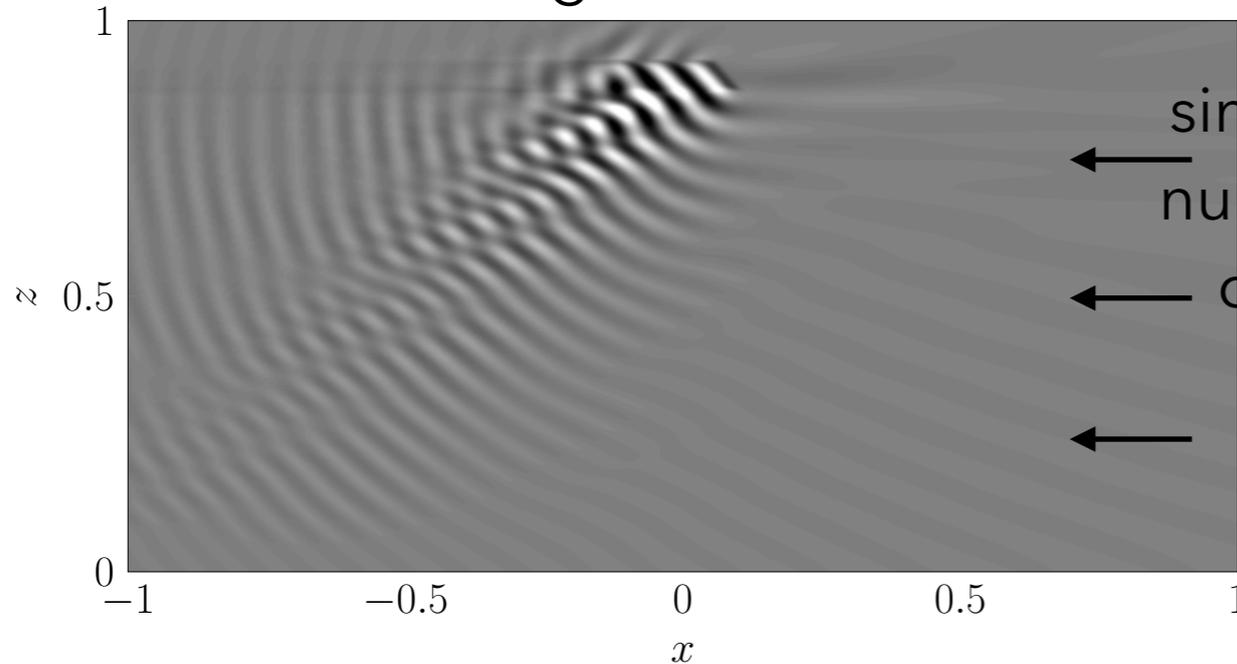
source: T.Dauxois

montagne

mode grande échelle

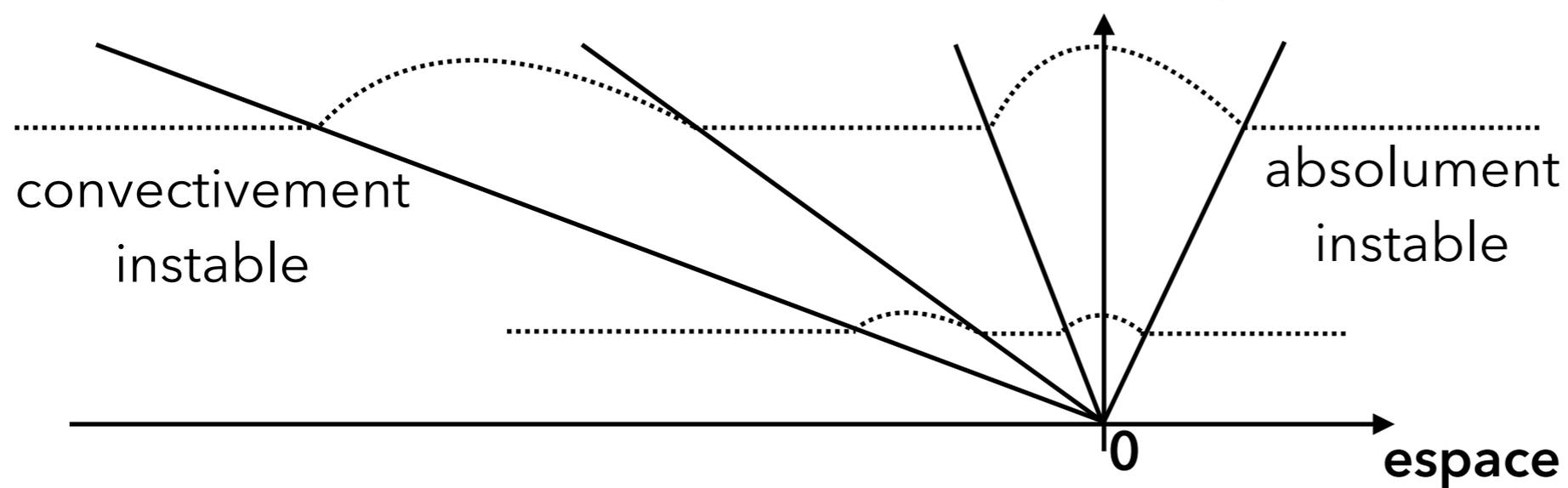
marée

mode petite échelle

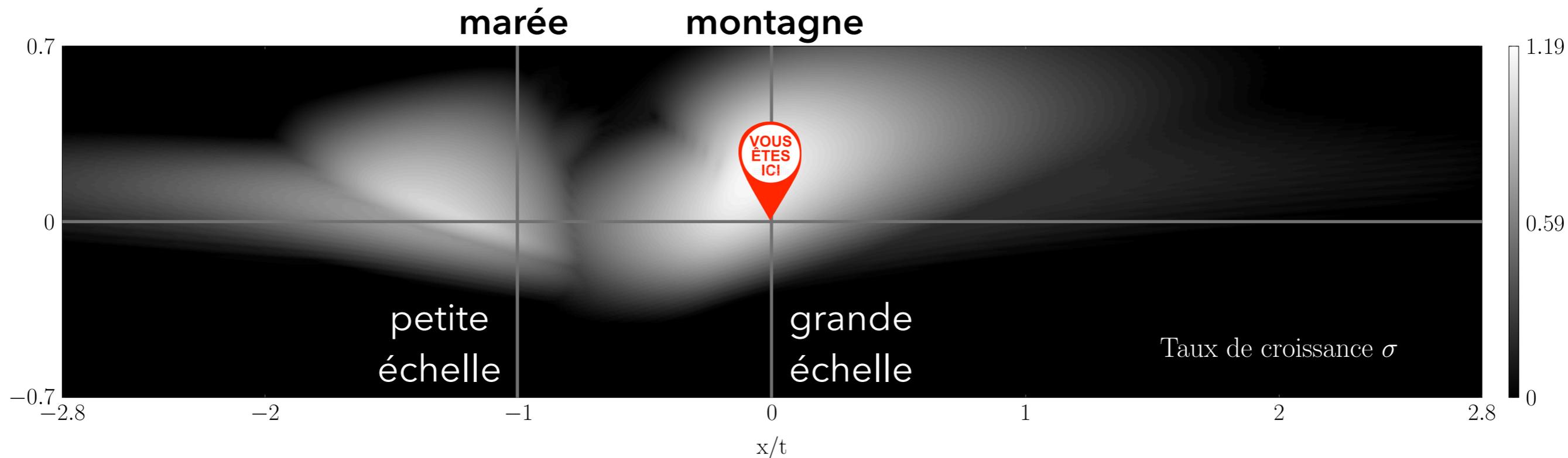


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Stabilité locale, réponse impulsionnelle



Simulation linéarisée
onde plane progressive
400 X 100 λ
32768 X 8192 points



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Instabilités triadiques

$$k_0 = k_1 + k_2$$

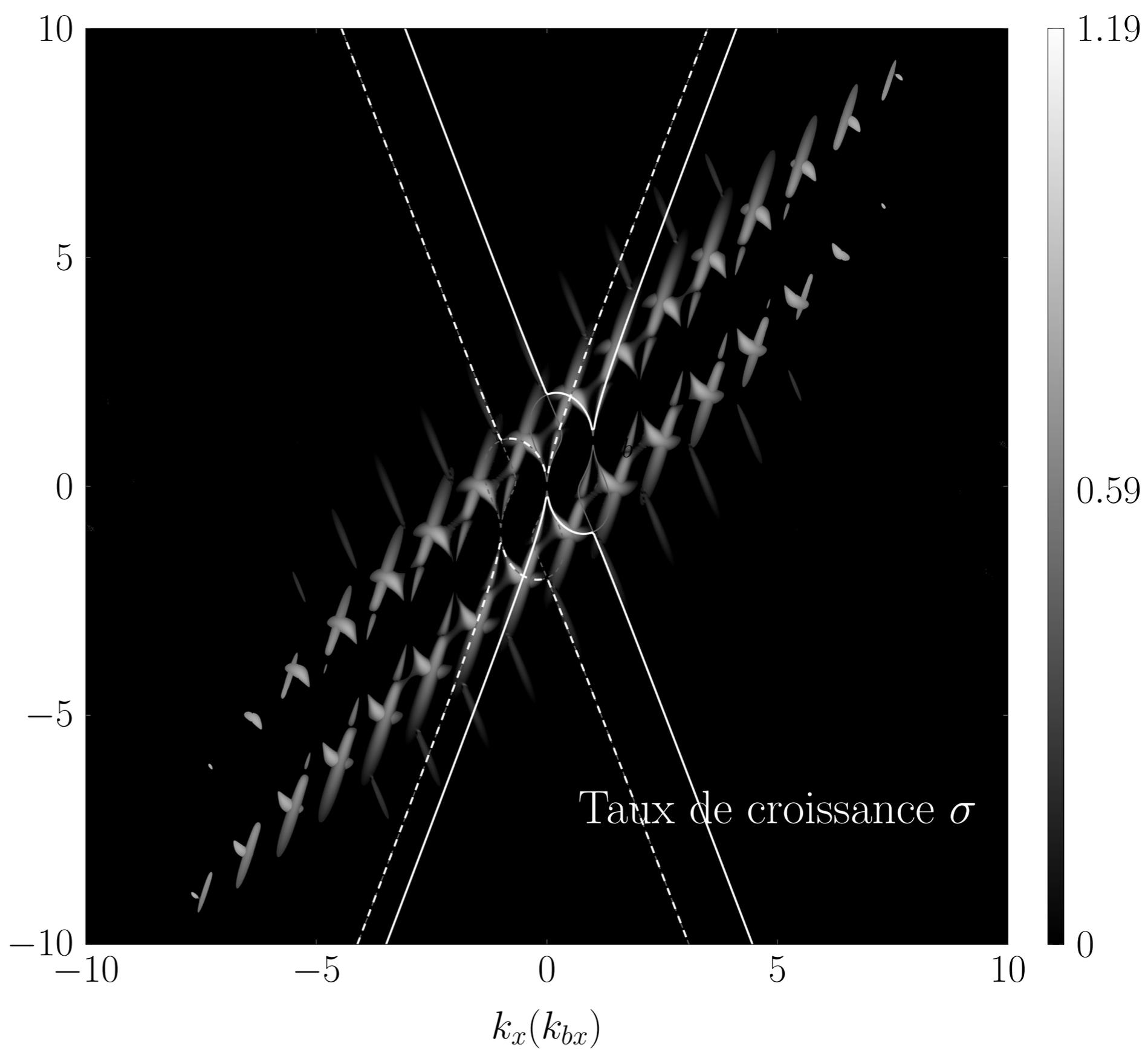
$$\omega_0 = \omega_1 + \omega_2$$

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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