



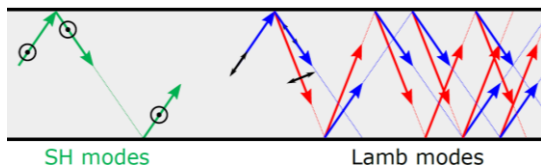
Elastic guided waves in a stretched hyperelastic plate

A. DELORY, F. LEMOULT, A. EDDI & C. PRADA

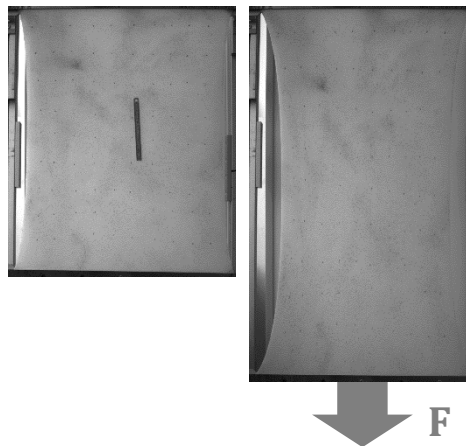
Soft media : Ecoflex[®]



Guided waves



Impact of the **weight**
on wave velocities ?



→ Acoustoelastic effet
using **hyperelasticity**



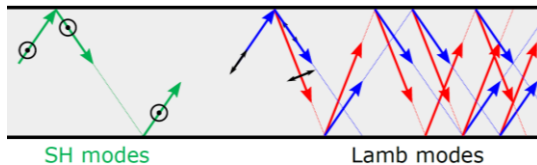
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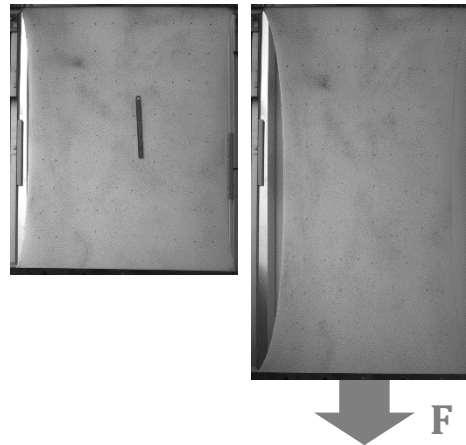
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Guided waves

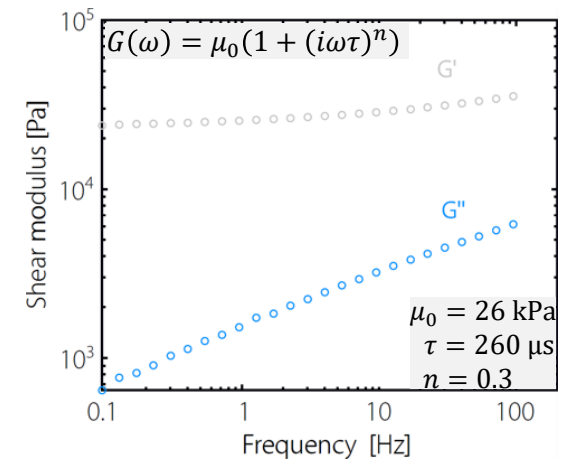


Impact of the **weight**
on wave velocities ?



→ Acoustoelastic effect
using **hyperelasticity**

BUT **dissipation** is a key ingredient



→ Connection made between
hyperelasticity & viscoelasticity