Statistical Properties of Energy Transport in a Set of Bending Waves

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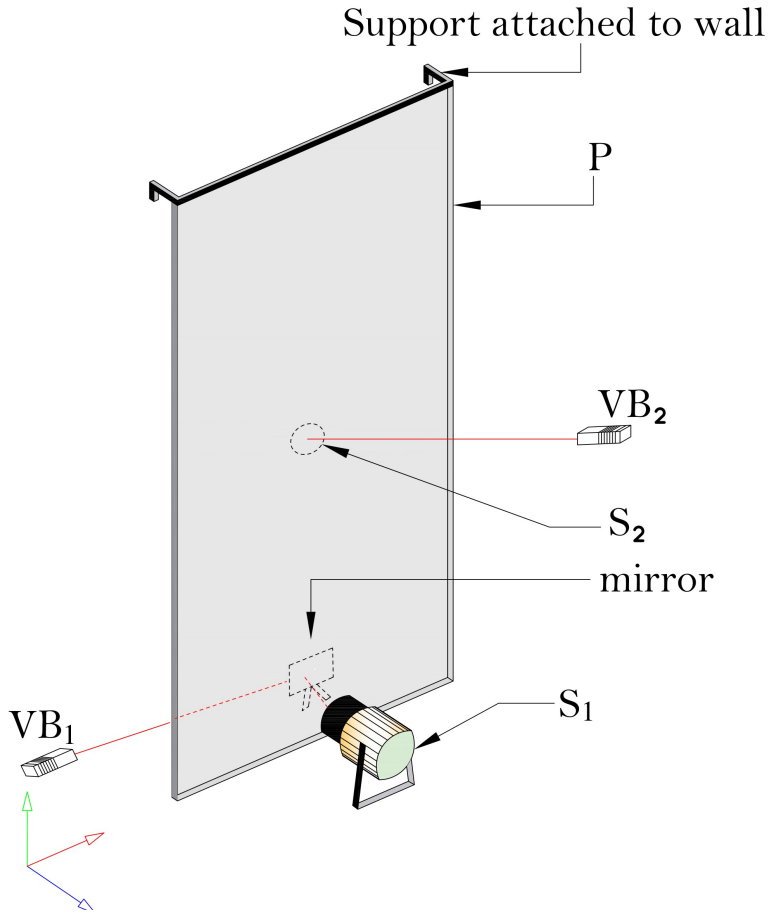
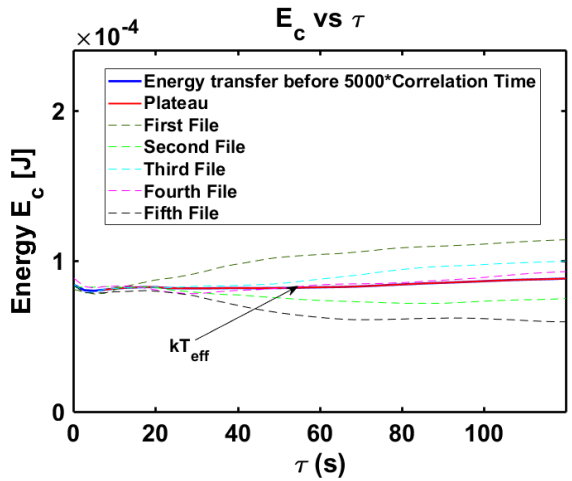
Experimental Setup

P- dimensions 2m × 1m × 0.5mm;
VB_1 & VB_2- Laser Vibrometers;
S_1-Big EM shaker;
S_2-Small EM shaker.

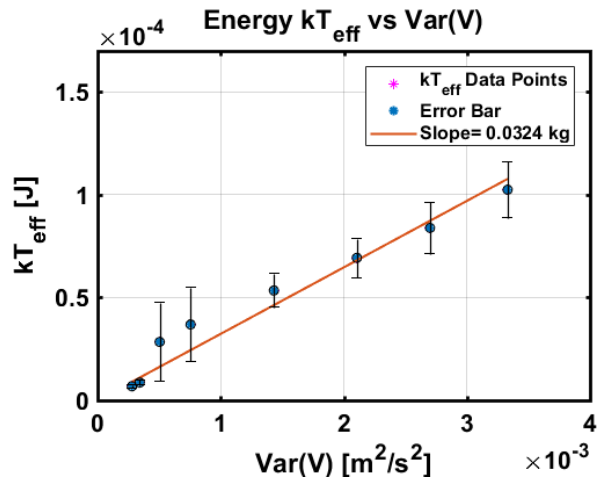


"Out of Equilibrium"

Ist approach (Fluctuation Theorem)



→Equipartition of energy !



IInd approach (Spectral analysis-WT)