
Applied Mathematics Seminar



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Moving out of plane: models for wrinkling and buckling

Thin structures typically buckle out of plane when compressed, giving rise to a myriad of shapes. These range from classic Euler buckling to honey coiling to microscale wrinkling patterns. Some of these situations correspond to a "failure", but others may be advantageous.

In this talk I will introduce some examples of buckling and wrinkling. I will focus in particular on the dynamic evolution of wrinkles in elastic sheets, and describe both experimental work and mathematical models developed to study this.

Thursday, 02.04.2020 · 12:00 · WGB G02
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