
The 205th iCeMS SEMINAR

Fri 27 May 2016
13:00 – 14:30

Shape-tunable wrinkles: tunability and applications

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Venue: 2nd Floor Seminar Room
iCeMS Main Building, Kyoto University

Spontaneously formed wrinkle patterns on hard coating-capped elastomer surfaces are introduced. The periodicity and statistical orientation of the wrinkle stripes can be controlled by applying compressive strain. The dynamic shape-tunability shows potential for new applications, in which switching states of a system could be induced by a change in the physical boundary conditions, namely, the shape of wrinkles.

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