

PHYSICAL MATH SEMINAR

On the Frozen and the Infused

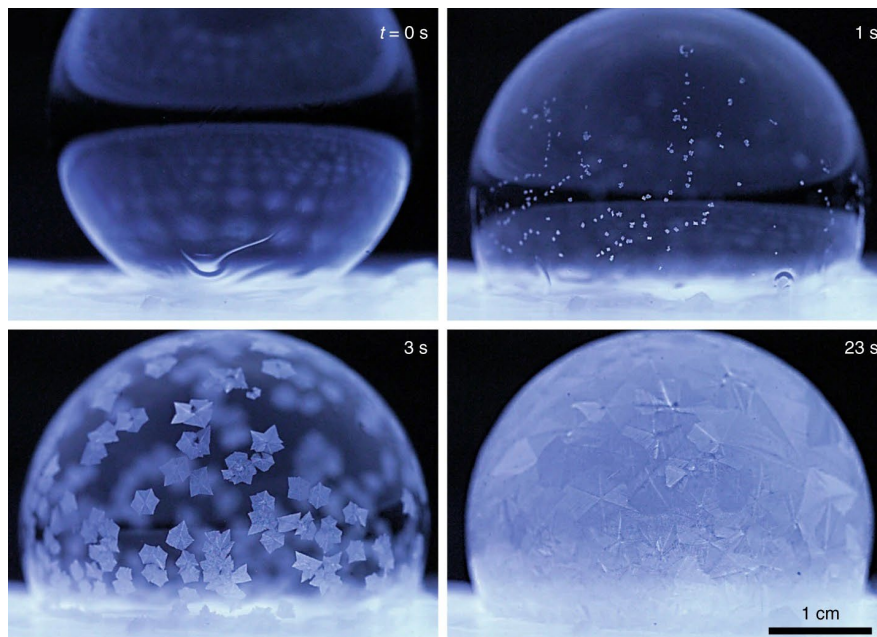


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ABSTRACT:

In the language of experiments and scaling laws, I will discuss a few examples of my research in soft matter, broadly divided in two themes: the ‘Frozen’ and the ‘Infused’. In the first act, ‘Frozen’, I will describe the fascinating phenomenon of freezing of a bubble – how freezing enkindles a plethora of ice crystals to emerge and swirl around in an effect reminiscent of a snow globe. In the second act, ‘Infused’, I will discuss *infused solids*: a curious class of materials with properties in between that of a liquid and a solid – a feature that makes them ideal for revisiting classical laws of droplet motility on solids.



A freezing bubble

TUESDAY, APRIL 23, 2024

2:30 PM – 3:30 PM

Building 2, Room 131 - **Note NEW Location**

<https://math.mit.edu/pms/>