Department of Applied and Computational Mathematics and Statistics Colloquium

Nicholas Brubaker
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will give a lecture entitled:

Modeling Capillary Origami

Abstract

To continue the move towards miniaturization in technology, developing new methods for fabricating micro- and nanoscale objects has become increasingly important. One potential method, called capillary origami, consists of placing a small drop of liquid on a thin, inextensible sheet. In this state the system minimizes its total energy, pulling the planar sheet upward. Under appropriate conditions the sheet will fully encapsulate the liquid, creating a three-dimensional structure. In this talk, we discuss recent work on modeling a two-dimensional version of this system.

Monday, March 31, 2014
4:30 p.m. to 5:30 p.m.
127 Hayes-Healy Center

Colloquium Tea **4:00 p.m. to 4:30 p.m.** **154 Hurley Hall**