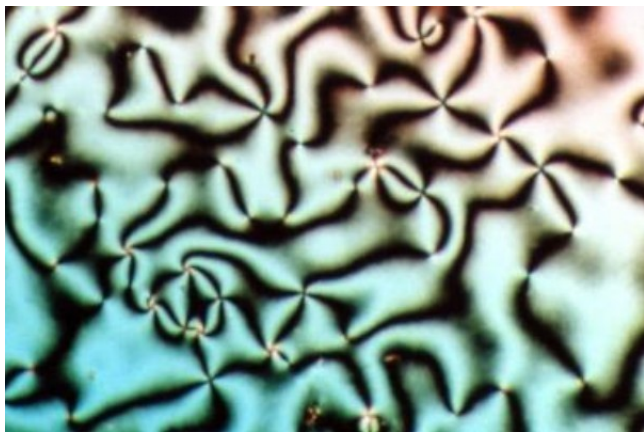


MSCS MESS

Department of Mathematics, Statistics, and Computer Science
St. Olaf College, Northfield, MN 55057
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Next Monday's Colloquium

Title: How does your LCD TV work?
Speaker: Ashley Earls '13
Time: 3:30 PM
Date: February 24
Place: RNS 310



About the talk: Liquid crystals are an intermediate phase of matter between a solid and a fluid. Their unique electric and mechanical properties make liquid crystals ideal components for devices. In this talk, we'll discuss one of the most well-known applications of liquid crystals: the liquid crystal display (LCD). This talk will discuss the mathematical theory describing how pixels in a LCD TV turn "on" and "off".

About the Speaker: Ashley is an Ole and a visiting assistant professor in the math department. She studied math and physics at St. Olaf, gradu-

ated in 2013, and then went to graduate school at the University of Minnesota. Ashley studies mathematical models for materials (especially liquid crystals), and she received her PhD in applied math in December 2019.

MathPath Opportunity

MathPath is a residential summer program for students aged 11–14 (typically middle schoolers) who are exceptionally gifted in mathematics. Candidates for this position should be individuals who love math, interesting and accessible problems and puzzles; and love working with, spending time with, and caring for younger students (aged 11–14). The program is seeking college students who are majoring or interested in Mathematics or Computer Science. The deadline is extended to February 29 if you mention the flyer Ellen sent out this week. [Link to detailed job description.](#) [Link to qualifications and application process.](#)

Math Movie!

Join the St. Olaf Association for Women in Mathematics next Wednesday for a screening of *Secrets of the Surface!* The movie examines the life and work of Maryam Mirzakhani, the first woman and Iranian to receive the Fields Medal. AWM will be showing it from 6-8 PM in RNS 310 and all are welcome!

To submit an article, event, or anything else for publication in the mess, email jadkow1@stolaf.edu; to receive the Mess digitally each Friday, email habero1@stolaf.edu; visit <http://wp.stolaf.edu/mscs/mcs-mess/> for a digital archive of previous MSCS Mess issues.

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