Mathematics Colloquium

Musings on Periodicity and Aperiodicity

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Friday, May 11, 2018
4:10 – 5 p.m.
Building 53 Room 206

Abstract

Periodicity is an uncomplicated notion - take a pattern and repeat it. Aperiodicity, however, may display varying degrees of randomness. In this talk, we'll explore the nature of highly ordered aperiodic sequences through several constructions. We will also discuss some applications of these sequences in the modeling of quasicrystals. Finally, if time permits, we will discuss generalizations to higher dimensions.

About the speaker: May Mei an assistant professor of mathematics at Denison University. On her way there, she received her PhD from the University of California, Irvine under the direction of Anton Gorodetski and her BA from the University of California, Berkeley. May's favorite thing in the universe is probably a nice meal at a fancy restaurant. But someone she respects greatly told her (over a nice meal at a fancy restaurant) that she needed hobbies that aren't eating. She has since dabbled in running, powerlifting, and climbing.

Cookies will be provided before the talk at 4 p.m.
in the same room as the talk, Building 53 Room 206.