

The Seattle University Math Dept. Presents

SENIOR SYNTH TALKS

Faraday Waves Over Nonhorizontal Bathymetry



email
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for Zoom link

By Benjamin Ries-Roncalli: Faraday waves are standing surface wave patterns that form when a dish of water is vibrated vertically at certain frequencies. Recently, Dr. Diane Henderson of Penn State University has started to conduct Faraday wave-like experiments in dishes with nonhorizontal bathymetry that displayed different properties than Faraday waves over horizontal bathymetry, including traveling and asymmetric waves uncharacteristic of traditional Faraday waves. We are developing a mathematical model to describe this new behavior.

THURSDAY MAY 4 ■ 3:45PM ■ BANN 407

SEATTLEU

All interested parties are welcome!