PhiladelphiaArea NumberTheory Seminar

Byungchul Cha Muhlenberg College

Lagrangespectrum for Romiks dynamical system

Abstract:

- Call (p; q) a Pythagorean pair if p and q are positive coprime integers such that
- $p^2 + q^2$ is a perfect square. pairs

ossible. Which ` is best? Which is secondbest? duce a dynamical systemoriginally de ned by Romik in bectrumand explain how our esults can answer the bove omewell-known results on simple continued fractions and spectra. This will provide a classical counterpart to our al system.

Dong Han Kim (Dongguk University, South Korea). A e accessible undergraduates.

Wednesday,July 11, 2018 2:40{ 4:00 PM

Bryn Mawr College Department of Mathematics Park ScienceCenter 338 refreshmentsat 2:20PM in Park 339