Topology, Arithmetic, & Dynamics Seminar

Primitive Geodesic Lengths and Arithmetic Progressions

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There is a well-known connection between primitive, closed geodesics on a closed, negatively curved, Riemannian manifold and primes in the integers or more generally, prime ideals in the ring of integers of a number field. In this talk, I will survey this connection with a discussion of existing results. I will then discuss some recent work with Jean Lafont on arithmetic and almost arithmetic progressions in the set of primitive geodesic lengths.

Date: **Wednesday, December 3, 2014**
Special Time: 5:00 pm
Place: Fishbowl (4th floor of Exploratory Hall)

For now, the seminar is BYOC^2. For special accommodations, please contact Sean Lawton via email at `slawton3@gmu.edu`.