

# Topology, Arithmetic, & Dynamics Seminar

Dirichlet domains in different geometries

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Abstract: Dirichlet domains are fundamental domains for the action of a group on a geometric space. We will take a tour of Dirichlet Domains in different geometries, including some Euclidean spaces and some Hyperbolic spaces. We will finish with new and interesting results in the bidisk,  $H^2 \times H^2$ , which is a rank 2 geometry.

Date: **Friday, October 20th, 2017**

Time: **2:30-3:20 pm**

Place: **4106 Exploratory Hall**

For special accommodations, please contact Sean Lawton via email at [slawton3@gmu.edu](mailto:slawton3@gmu.edu).