

Topology, Arithmetic, & Dynamics Seminar

Parabolic Higgs Bundles & Generalized Parabolic Higgs
Bundles

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Higgs bundles are well-known objects which provide solutions to Hitchin's equations on a compact Riemann surface X . When X is non-compact the corresponding objects solving the Hitchin equations for logarithmic connections are the so-called Parabolic Higgs Bundles. If one wants to go further and consider singular algebraic curves, like the ones provided by shrinking one of the generators of the fundamental group of X , then the corresponding objects were introduced by Bhosle and they are known as Generalized Parabolic Higgs Bundles. We are going to give an overview of the known results about the moduli spaces corresponding to these objects.

Date: **Friday, October 28th, 2016**

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

Place: **4106 Exploratory Hall**

For special accommodations, please contact Sean Lawton via email at slawton3@gmu.edu.