Mathematics, Statistics, and Computer Science   **@ UIC**

RTG Workshop Talk.

How to use Higgs bundles?

Daniele Alessandrini

Abstract: We will show how in some simple examples Higgs bundles can be used to construct geometric structures on manifolds. The flat connection can be expressed in terms of solutions of Hitchin, equations and the transverse section can be constructed from studying the holomorphic structure of the Higgs bundle.

The talk is part of the 2-day meeting " RTG Workshop on the Geometry and Physics of Higgs bundles II "

Sunday, November 12 at 9:30 AM in 430