

RTG Workshop Talk

A tour of the Hitchin moduli space

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Abstract: We'll tour the rich geometric structure of the Hitchin moduli space. Two avatars of the Hitchin moduli space are the Higgs bundle moduli space and the moduli space of flat connections. We'll describe the nonabelian Hodge correspondence which connects these two. We'll also consider some of the structure that comes from the Higgs bundle side, including the Hitchin fibration and Hitchin section. For completeness, we'll describe the $U(1)$ action and its utility.

The talk is part of the 2-day meeting <http://schapos.people.uic.edu/Higgs-2017.html> " RTG Workshop on the Geometry and Physics of Higgs bundles II "

Saturday, November 11 at 3:00 PM in 430
