

Student Differential Geometry Seminar

Stony Brook University

October 29, 2018

Jordan Rainone : “ G_2 geometry: an introduction”

ABSTRACT: In my talk I will be introducing the exceptional holonomy group G_2 in a simple geometric description. We will then show how the existence of a certain principle G_2 -bundle forces our manifold to be spin, have holonomy contained in G_2 , and ultimately be Ricci-Flat.