1015-53-68 **Spiro Karigiannis*** (`spiro@math.msu.edu`), A212 Wells Hall, Dept. of Mathematics, Michigan State University, East Lansing, MI 48824. *Algebraic Structure of the local moduli space of G_2 metrics.* Preliminary report.

I will discuss the local moduli space of smooth G_2 metrics, and some of the extra algebraic structure on this space. Some of the aspects are similar to the case of Calabi-Yau moduli spaces, while some are quite different.

This is a preliminary report on joint work with Naichung Conan Leung. (Received January 23, 2006)