Institut Henri Poincaré
11 rue Pierre et Marie Curie, 75231 Paris cedex 05

String Theory in Greater Paris

Rencontres Théoriciennes
“Supergravité, théorie des cordes et théorie M”

Jeudi 17 Octobre 2019, 10:00

Jock Mcorist

Surrey

Symmetries and Derivatives for Heterotic Moduli Spaces

A virtue of the special geometry underlying Calabi–Yau 3-manifolds is the existence of a canonical choice of coordinates for the corresponding moduli space. In heterotic theories there is no obvious choice of coordinates and so we should be covariant in discussing moduli spaces. This necessitates the construction of covariant derivatives with respect to parameters. Such derivatives are naturally descried by a universal bundle for heterotic theories. I will discuss how to do this and what it means geometrically & physically.

Institut Henri Poincaré, salle 314, 3ème étage