

# The Oliver Club

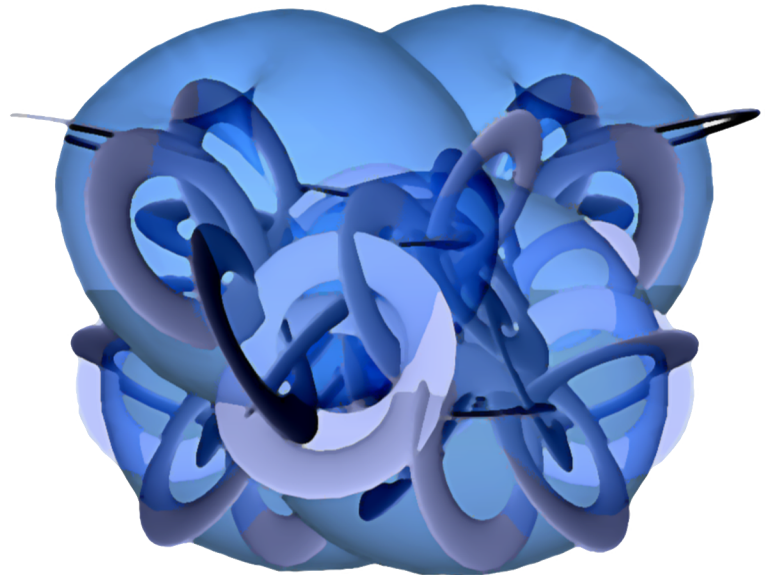
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## ***Derivatives of Calabi-Yau Manifolds***

*In calculus, we study functions through their derivatives. One can make sense of taking the “derivative” of a compact complex manifold and as in calculus this derivative is an effective tool. The platform for this kind of derivative is the so-called Moduli space and this gives it a crucial role to play in algebraic and complex geometry.*

*In this talk, I will present the differential geometric aspects of the Calabi-Yau moduli space and develop the idea of taking derivatives of manifolds. I will also present the relation of the theory to string theory.*



**Thursday, October 29, 2009**  
**at 4:25 PM in 406 Malott Hall**

Refreshments will be served at 3:55 PM in the Mathematics Department lounge (532 Malott Hall).