"Moduli Space of Calabi Yau Manifolds"

Andrey Todorov
University of California
Santa Cruz, CA 95064
Bulgarian Academy of Sciences
Institute of Mathematics
Sofia, Bulgaria

August 10, 2006

1 Description of the Course

In the course we will mainly deal with Differential Geometric aspects of the Moduli Space of CY Manifolds. The topics are the following:

2. Applications of KSK Theory to CY Manifolds. See [6].
3. Construction of the Teichmüller space of CY Manifold. See [4].
4. Weil-Petersson and Hodge Metric on the Teichmüller space. See [6] and [8].
5. Witten Geometric Quantization of the Moduli Space of CY Manifolds. See [7].

References


