

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research
Department of Mathematics*

COLLOQUIUM

K-theory in String Theory

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Abstract

The fundamental objects of study in string theory are called *D*-branes. Intuitively, these are submanifolds of the spacetime manifold with principle bundles fibered over them. A one to one map has been conjectured between *D*-branes and elements of twisted *K*-theory. I will explain this map, some of its applications and its shortcomings.

Date:	October 10, 2013 (Thursday)
Time:	2:00 - 3:00pm
Place:	Room 210, Run Run Shaw Bldg., HKU

All are welcome