GCOE Lectures at the University of Tokyo

GCOE レクチャーズ

Date	November	5 ((Fri),	2010,	16:30 - 18:00
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PLACE Room 123, Graduate School of Mathematical Sciences

SPEAKER Michael Eastwood (Australian National University)

TITLE How to recognise the geodesics of a metric connection

- ABSTRACT The geodesics on a Riemannian manifold form a distinguished family of curves, one in every direction through every point. Sometimes two metrics can provide the same family of curves: the Euclidean metric and the round metric on the hemisphere have this property. It is also possible that a family of curves does not arise from a metric at all. Following a classical procedure due to Roger Liouville, I shall explain how to tell these cases apart on a surface. This is joint work with Robert Bryant and Maciej Dunajski.
- ORGANIZER Toshiyuki Kobayashi