THE UNIVERSITY   **OF HONG KONG**

Institute of Mathematical Research
Department of Mathematics

COLLOQUIUM

Magnetic monopoles and projective geometry

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Abstract

Solutions to the gauge-theoretic Bogomolny equations in Euclidean space have been much studied, but their hyperbolic analogues present a number of unanswered questions. One aspect translates into the study of rational normal curves in projective space, and we shall show how a natural symmetry of the equations corresponds to a duality theorem in projective geometry.

Date: **March 25, 2010 (Thursday)**

Time: **4:30 – 5:30pm**

Place: **Room 210, Run Run Shaw Bldg., HKU**

All are welcome