Department of Mathematics
City University of Hong Kong

Colloquium

Organised by Prof. Tong Yang and Dr. Xiang Zhou

Isometric Immersion of Complete Surfaces with Slowly Decaying Negative Gauss Curvature

by

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Abstract :

The isometric immersion of Riemannian manifold is a fundamental problem in differential geometry. When the manifold is two dimension and its Gauss curvature is negative, the isometric immersion problem is considered through the Gauss-Codazzi system. It is shown that if the Gauss curvature satisfies an integrable condition, then the surface has a global isometric immersion in R^3 even the Gauss curvature decays very slowly at infinity.

Date: 6th September 2016 (Tuesday)
Time: 4:30 – 5:30pm
Venue: Room B6605
Blue Zone, Level 6, Academic 1 (AC1)
City University of Hong Kong

(Tea refreshments will be provided outside the venue before the colloquium from 4:00 to 4:30pm. Please come and join us.)

** All interested are welcome **
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