Liu Bie Ju Centre for Mathematical Sciences
City University of Hong Kong

Mathematical Analysis and its Applications Colloquium

Organized by Prof. Ya Yan LU and Prof. Wei Wei SUN

Geometry and Asymptotics for the Painlevé Equations

by

Professor Nalini Joshi
The University of Sydney, Australia

Date : Sept 10, 2012 (Monday)
Time : 4:30 pm to 5:30 pm
Venue : Room B6605 (College Conference Room)
Blue Zone, Level 6, Academic 1 (AC1)
City University of Hong Kong

ABSTRACT:

For most non-linear ODEs, there is no method of finding an explicit solution. In fact, for equations such as the *Painlevé* equations, it is known that the general solution cannot be expressed in terms of **classical** (i.e., earlier known) functions. In this talk, I will provide another way of describing the behaviours of such solutions, starting from the point of view of geometry.

Light refreshments will be provided at Room B6605 before the colloquium from 4:00 pm to 4:30 pm. Please come and join us!

** All interested are welcome **

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