



*Institute of Mathematical Research
Department of Mathematics*

COLLOQUIUM

Connections depending on small parameter

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IHES, France, and

Shaw Laureate in Mathematical Sciences 2012

Date: September 20, 2012 (Thursday)

Time: 3:00 – 4:00pm

Venue: Room 210, Run Run Shaw Bldg., HKU

Abstract

I will describe a hypothetical picture of the asymptotic behavior of the monodromy of linear differential equation on a complex curve depending on a small parameter (interpreting the work of physicists Gaiotto, Moore and Neitzke). In the case of sphere with three punctures one obtains new results concerning the classical Horn problem.

All are welcome