

Conférence du lauréat du Prix ACP-CRM 2008
Lecture by the 2008 CAP-CRM Prize Recipient

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QUANTUM ENTANGLEMENT AND THE NOTION OF A MATHEMATICS PROOF

LE VENDREDI 27 FEVRIER 2009 / FRIDAY, FEBRUARY 27, 2009



Information processing devices that can manipulate quantum states have the potential to perform several interesting computing feats. I will focus on some of the remarkable properties of entangled quantum states, and show that they can be cast in a setting that raises questions about the soundness of certain mathematical proof systems.



CENTRE DE RECHERCHES MATHÉMATIQUES
PAVILLON ANDRÉ-AISENSTADT,
2920, CHEMIN DE LA TOUR
UNIVERSITÉ DE MONTRÉAL
SALLE / ROOM 1360

Du café et des biscuits seront servis à 15h30 et une réception suivra
au Salon Maurice-L'Abbé (salle 6245).

*Coffee and cookies will be served at 3:30 pm and a reception will
follow at Salon Maurice-L'Abbé (Room 6245)*