



De: CRM CRM@CRM.UMontreal.CA
Objet: COLLOQUE DES SCIENCES MATHÉMATIQUES DU QUÉBEC (05/02/2016, Tadashi Tokieda)
Date: 1 février 2016 09:45
À: activites@CRM.UMontreal.CA

COLLOQUE DES SCIENCES MATHÉMATIQUES DU QUÉBEC

DATE :
Le vendredi 5 février 2016 / Friday, February 5, 2016

HEURE / TIME :
16 h / 4:00 p.m.

CONFERENCIER(S) / SPEAKER(S) :
Tadashi Tokieda (Cambridge / Stanford)

TITRE / TITLE :
Chain reactions

LIEU / PLACE :
UQAM, Pavillon Président-Kennedy, 201, ave du Président-Kennedy, salle PK-5115

RESUME / ABSTRACT :
To every action, there is an equal and opposite reaction. However, there turn out to exist in nature situations where the reaction seems to be neither equal in magnitude nor opposite in direction to the action. We will see a series of table-top demos and experimental movies, apparently in more and more violation of Newton's 3rd law, and give a full analysis of what is happening, discovering in the end that this phenomenon are in a sense generic. The keys are shock, singular material property, and supply of 'critical geometry'.

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