
COLLOQUE DES SCIENCES MATHÉMATIQUES DU QUÉBEC
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DATE :
Le vendredi 17 novembre 2017 / Friday, November 17, 2017

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

CONFÉRENCIER(S) / SPEAKER(S) :
Jun-Cheng Wei (UBC)

TITRE / TITLE :
Recent progress on De Giorgi Conjecture

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

RESUME / ABSTRACT :
Classifying solutions to nonlinear partial differential equations are fundamental research in PDEs. In this talk, I will report recent progress made in classifying some elementary PDEs, starting with the De Giorgi Conjecture (1978). I will discuss the classification of global minimizers and finite Morse index solutions, relation with minimal surfaces and Toda integrable systems, as well as recent exciting developments in fractional De Giorgi Conjecture.

Responsables :
Olivier Collin (UQAM)
Henri Darmon (Université McGill)
Dimitris Koukoulopoulos (Université de Montréal)
Iosif Polterovich (Université de Montréal)
David Stephens (Université McGill)
Hugh Thomas (UQAM)
Yi Yang (Université McGill)
