

The 5th Takagi Lectures

Graduate School of Mathematical Sciences
The University of Tokyo, Tokyo, Japan

Program

October 4, Saturday

- 11:00--12:00 Registration and Coffee
- 12:00--12:05 Opening by the President of the Mathematical Society of Japan
- 12:10--13:10 **Maxim Kontsevich** (IHÉS)
Holonomic D-modules and positive characteristic (I)
- 13:30--14:30 **Nikita Nekrasov** (IHÉS)
Instanton partition functions and M-theory (I)
- 14:30--15:00 Coffee/Tea Break
- 15:00--16:00 **Jean-Pierre Bourguignon** (CNRS-IHÉS)
Ricci curvature and measures (I)

October 5, Sunday

- 09:30--10:30 **Étienne Ghys** (CNRS-ÉNS Lyon)
Right-handed vector fields and the Lorenz attractor (I)
- 10:50--11:50 **Maxim Kontsevich** (IHÉS)
Holonomic D-modules and positive characteristic (II)
- 11:50--13:10 Lunch Break
- 13:10--14:10 **Nikita Nekrasov** (IHÉS)
Instanton partition functions and M-theory (II)
- 14:30--15:30 **Jean-Pierre Bourguignon** (CNRS-IHÉS)
Ricci curvature and measures (II)
- 15:50--16:50 **Étienne Ghys** (CNRS-ÉNS Lyon)
Right-handed vector fields and the Lorenz attractor (II)
- 17:00--18:00 Workshop closing with drinks

Organizing Committee

Y. Kawahigashi, T. Kobayashi, H. Nakajima, K. Ono, T. Saito

The Mathematical Society of Japan
Graduates School of Mathematical Sciences, The University of Tokyo
French-Japanese Scientific Forum