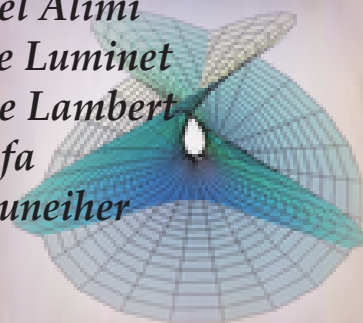


Geometry, Topology, QFT and Cosmology

Paris - 28, 29 & 30 May 2008

Abhay Ashtekar
William Thurston
Gabriele Veneziano
Fedele Lizzi
Gérard Besson
Frédéric Hélein
Olivier Biquard
David Langlois
Philippe le Floch
Zeghib Ghani
Eric Gourghoulon
Thomas Buchert
Jean Michel Alimi
Jean Pierre Luminet
Dominique Lambert
André Füzfa
Joseph Kouneiher



The workshop takes place

the 28th : salle des séminaires l'Institut d'Astrophysique de Paris ; 98 B, Boulevard Arago 75014 Paris

the 29th & 30th : Salle du Conseil Observatoire de Paris; 61, Avenue Observatoire 75014 Paris

Comité Scientifique : Jean-Michel Alimi, Abhay Ashtekar, Eric Gourghoulon, Frédéric Hélein, Joseph Kouneiher & Volodya Roubtsov

Sponsors

LUTH, Laboratoire L'Univers et Théories, Observatoire de Paris, Institut des Mathématiques de Jussieu, Université D. Diderot Paris7

Université de Nice, Editions Hermann

Organizers

Joseph Kouneiher, Frédéric Hélein

Volodya Roubtsov & Cécile Barbachoux

The main aim of the meeting is to foster closer ties between geometers, topologists, cosmologists and theoretical physicists. Through this exchange of ideas and expertise, we hoped to arrive at a better understanding of the theoretical and observational characteristics of some possible models in cosmologie(s).

The meeting ran to a workshop format with a small number of talks providing a springboard for extensive and lively discussions. This meant that all participants did indeed participate, even though only part of the participants gave talks.

$$R_{\mu\nu} - \frac{1}{2}g_{\mu\nu}R = 8\pi G_N T_{\mu\nu}$$

$$\partial_t g_{ij} = -2R_{ij}$$

Contact : Joseph.Kouneiher@obspm.fr