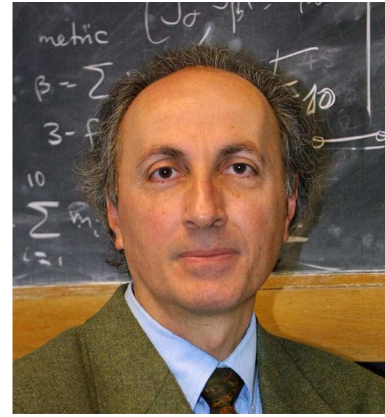


## Damour Thibault

Position: Professeur Permanent  
Institut des Hautes Etudes Scientifiques.

Period covered: 2010



### Conferences and educational activities

February 2010: lectures given to IRAPhD and Erasmus Mundus students in Nice (France) about «Advanced General Relativity»

July 2010: Orchidea Lecian gave a presentation about her collaboration with Thibault Damour on the Statistical Properties of Cosmological Billiards during the 2nd Galileo-XuGuangqi meeting, Ventimiglia (Italy)

September 2010: lectures given to IRAPhD and Erasmus Mundus students in Nice (France) about «Gravitational Waves I»

### ICRANET-related Collaborations with

Alessandro NAGAR

Orchidea LECIAN

### 2010 List of publications (T. Damour, A. Nagar and O.M. Lecian)

1. Gravitational Self Force in a Schwarzschild Background and the Effective One Body Formalism.

Thibault Damour (IHES, Bures-sur-Yvette).

Published in Phys.Rev. D81 (2010) 024017

2. Effective One Body description of tidal effects in inspiralling compact binaries.

Thibault Damour, Alessandro Nagar (IHES, Bures-sur-Yvette & ICRA, Pescara).

Published in Phys.Rev. D81 (2010) 084016

3. Precession effect of the gravitational self-force in a Schwarzschild spacetime and the effective one-body formalism.

Leor Barack (Southampton U.), Thibault Damour (IHES, Bures-sur-Yvette), Norichika Sago (Kyoto U., Yukawa Inst., Kyoto).

Published in Phys.Rev. D82 (2010) 084036

e-Print: arXiv:1008.0935 [gr-qc]

4. Analytic modelling of tidal effects in the relativistic inspiral of binary neutron stars.

Luca Baiotti, Thibault Damour, Bruno Giacomazzo, Alessandro Nagar, Luciano Rezzolla.

e-Print: arXiv:1009.0521 [gr-qc]

5. Binary black hole merger in the extreme-mass-ratio limit: a multipolar analysis.

Sebastiano Bernuzzi (Jena U.), Alessandro Nagar (IHES, Bures-sur-Yvette).

Published in Phys.Rev. D81 (2010) 084056

e-Print: arXiv:1003.0597 [gr-qc]

6. Statistical Properties of Cosmological Billiards, Thibault Damour and Orchidea Lecian, Nov. 2010, to be submitted