

SEMINAR
« CORRELATION OF SEISMIC WAVES AND THE EMERGENCE OF THE GREEN FUNCTION »

Monday, april 4 2005

Grenoble

LGIT

Salle de séminaire, 1er étage
Maison des Géosciences
Rue de la piscine, Domaine universitaire
Saint Martin d'Hères

The correlation of seismic waves has been successfully used for retrieving propagation properties of the Earth, including tomographic velocity images. This method can be interpreted from different perspectives. The aim of the seminar is to propose a discussion of these interpretations. Open discussions will follow short presentations.

Tentative Program

9h: Introduction (Michel Campillo, Université Joseph Fourier and CNRS)

Emergence of Green's functions (Richard Weaver, Illinois University)

Correlation and representation theorems (Kees Wapenaar, Delft University)

Correlation and time reversal (Arnaud Derode, Université Paris 7 and ESPCI)

Correlation of diffuse fields (Bart van Tiggelen, Université Joseph Fourier and CNRS)

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