



UPO

UNIVERSITÀ DEL PIEMONTE ORIENTALE
DIPARTIMENTO DI SCIENZE E INNOVAZIONE TECNOLOGICA

EVENTI DiSIT

Seminari | Seminars

08-01-2025, Sala Seminari C192

13-01-2025, Aula 204

The orbit method for symmetric spaces and Mackey's analogy

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The lectures will be constituted by four main parts which, although related, can be attended independently.

08-01-2025, Sala Seminari C192

ore 11:00-12:00 *Symplectic symmetric spaces*

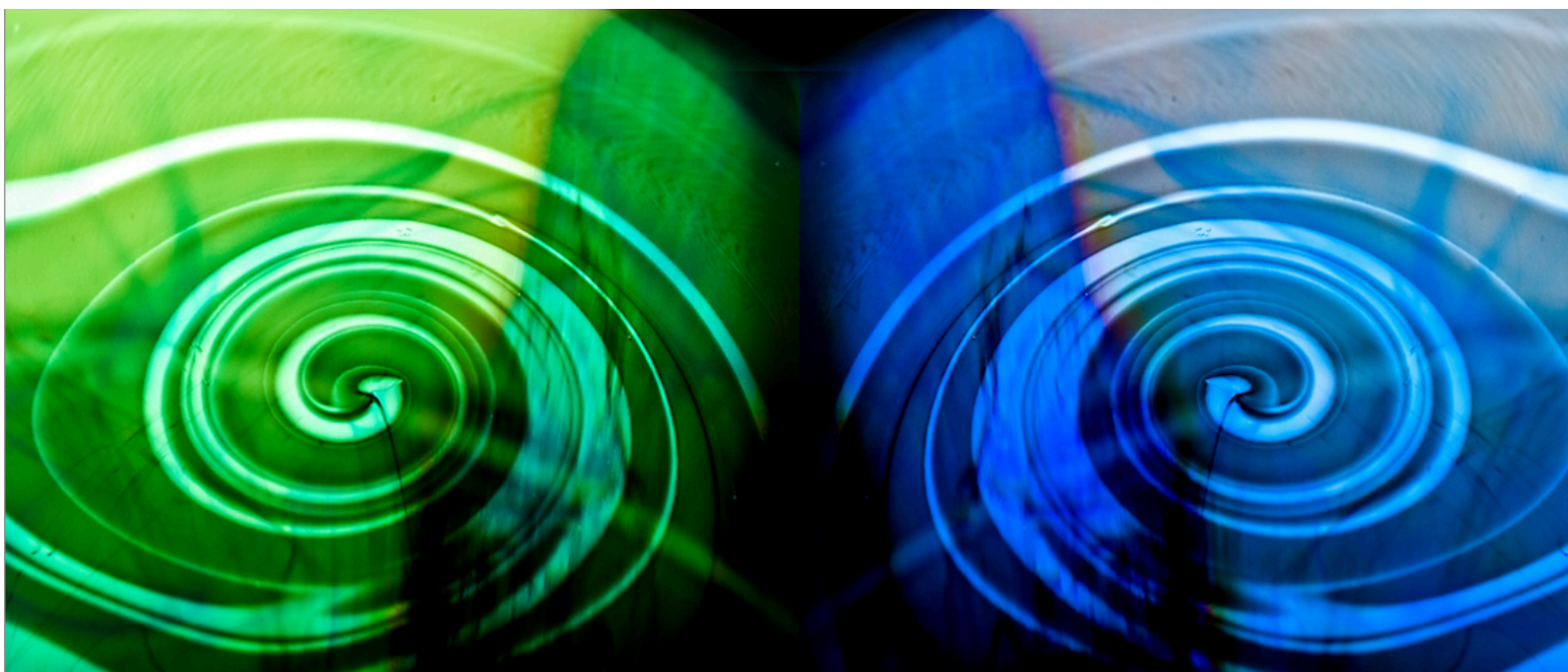
ore 12:00-13:00 *The orbit method*

ore 14:00-15:00 *Star representations and the retract method I*

13-01-2025, Aula 204

ore 11:00-12:00 *Star representations and the retract method II*

ore 12:00-13:00 *Mackey's analogy*



Roughly speaking, Mackey's analogy consists of a correspondence between the unitary duals of reductive Lie groups and those of some of their contractions: the associated of Cartan's groups.

Such bijections have been explicitly realized in different frameworks. Firstly by N. Higson in the framework of operator algebras, and, more recently, by A. Afgoustidis in the classical framework of harmonic analysis on Lie groups. In the latter work, A. Afgoustidis exhibits a common parameter set for each of the unitary duals.

A natural question, then, is to understand to what extent such a bijection can be obtained by a geometric process. The idea proposed here is to tackle the question in the context of deformation quantization (star-products) of the co-adjoint orbits of the groups considered. A particular attention will be given to symplectic symmetric spaces in that context.

EVENTO APERTO A:

Docenti | Teachers, Borsisti | Research Fellows, Assegnisti | Postdoctoral researchers, Dottorandi | PhD students, Esterni UNIUPO | external UNIUPO people

SEMINARIO IN LINGUA: Inglese

