

IDEAS OF POINT

An elusive concept in mathematics and physics throughout history

TRIESTE | NOVEMBER 14-16, 2013

The notion of point goes through the entire history of mathematics, from ancient Greece to our times; as examples, we may cite the problem of the continuum, the relation between local and global structures in geometry, or Deligne's results on topoi. Furthermore, there are deep connections with philosophy (Zeno, Aristotle, Leibniz, Bergson, etc) and with natural sciences (i.e., the concept of point particle in classical mechanics, the question of locality in quantum field theory, the use of extended elementary objects in string theory). This conference aims to treating the diverse facets of the notion of point – mathematical, physical, historical and philosophical - by bringing together specialists from different backgrounds.

SPEAKERS

Luca Barbieri Viale
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Sergio Doplicher
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Luca Guzzardi
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Ramon Masía
Centre Alexandre Koyré, Paris

Carlo Rovelli
Centre de Physique Théorique de Luminy

Cecilia Trifogli
All Souls College, University of Oxford

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Columbia University, New York

WHEN/ WHERE

November 14 - 02:30 PM to
November 16 - 01:00 PM
SISSA, Room 5
Via Bonomea, 265
Trieste (Italy)

ORGANIZING AND SCIENTIFIC COMMITTEE

Boris Dubrovin (SISSA)

Claudio Bartocci (Università di Genova)

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INFO

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