COLÓQUIO DE MATEMÁTICA

Quarta-feira, 20 de novembro de 2019 às 14h30

From Model Theory to Grothendieck's Conjectures

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Ciências ULisboa | Matemática

Convívio antes do Colóquio na Sala d Docentes do DM,
com café, chá e bolos (14h até 14h30)

Sumário: Since the 1970s, model theory has been developing a rich classification theory of general mathematical structures based on logical properties of formal theories describing the structures. It has been found that structures of algebraic geometry occupy a central position in the emerging classification scheme. Further detalisation of this central part of the classification scheme lead to a discovery of a fundamental general construction (Hrushovski) which allows to link together structures of algebraic type to structures of analytic nature. In terms of concrete mathematics, this link takes a form very similar to Grothendieck's period conjecture and its variations.

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