



Mês de: Junho 2011

SEMINÁRIO DE LÓGICA MATEMÁTICA

Dia 27 de Junho (segunda-feira), às 16h, na Sala B3-01

“Intuitionism as phenomenology: a critique of Rota”

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Abstract:

In his paper ‘Husserl and the reform of logic’, Gian-Carlo Rota contents, with Husserl, that the way of genetic phenomenology is inevitable to help us out of foundational predicaments in mathematics and the sciences. To my mind, the most successful application of (in effect) genetic phenomenological reflection to mathematics so far has been Brouwer's development of intuitionistic mathematics. In this talk, I will first explain and defend the claim that mathematical intuitionism should be considered a form of genetic phenomenology. This will then lead me to criticize another claim of Rota's, namely, that ‘The existence of mathematical items is a chapter in the philosophy of mathematics that is devoid of consequence’ (in ‘The Barber of Seville, or the useless precaution’): not on the ground that the intuitionistic view on existence leads to a different ontology than that of classical mathematics, although it does, but on the ground that considerations on the mode of existence of mathematical objects have enabled intuitionism to introduce certain new principles of mathematical reasoning.

Parcialmente suportado pela FCT ao abrigo do Financiamento Base