

SEMINÁRIO

LÓGICA MATEMÁTICA

25 outubro | 16h00 | sala 6.2.33

A Theory of Marginal and Large Difference

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Abstract:

In this talk we propose a new theory of vagueness based on the notions of marginal and large difference, and show that the theory has natural models in the context of nonstandard mathematics. In addition, we present a representation theorem establishing that, given tame conditions, the structure of marginal and large difference is representable in nonstandard models of arithmetic. We also present a uniqueness theorem establishing to what extent such a representation is unique. Finally, we apply our theory of marginal and large difference to an account of the meaning of vague adjectives, and to an explanation of the seductiveness of the Sorites paradox, by coupling it with Fara's interest-relative theory of vagueness.