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# SEMINÁRIO DE LÓGICA MATEMÁTICA

**Dia 14 de Abril (quinta-feira), às 15H00, na sala 6.2.33**

## Do all Prawitz formulas enjoy instantiation overflow?

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**Abstract:**

Instantiation overflow ensures that, in the atomic polymorphism system Fat, we can instantiate universal formulas by any formula of the system, not necessarily atomic. In a recent paper [1] the notion of Prawitz formula was introduced in order to study the phenomenon of instantiation overflow. It was shown that all formulas of level 0 and 1 have instantiation overflow and that there exists a Prawitz formula of level  $n$  with the same property, for each natural number  $n$ . It was however left open if all Prawitz formulas have instantiation overflow. In this talk I will present this problem and present new ideas on this matter.

[1] B. Dinis and G. Ferreira - Instantiation overflow, to appear in Reports on Mathematical Logic.

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