



Mês de: Dezembro 2010

SEMINÁRIO DE LÓGICA MATEMÁTICA

Dia 16 de Novembro (quinta-feira), às 18h, na Sala A2-25

“Copies of classical logic inside intuitionistic logic”

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Abstract:

Intuitionistic logic is obtained from classical logic by dropping the law of excluded middle. Intuitionistic logic is weaker than classical logic, but constructive. Surprisingly, classical logic can be faithfully embedded into intuitionistic logic by the so-called negative translations. Their images are faithful copies of classical logic inside intuitionistic logic.

All the negative translations usually found in the literature have the same image, that is the same copy of classical logic. This leads us to conjecture that the copy of classical logic is unique. We refute this conjecture and present other copies.

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