LOGIKSEMINARIET STOCKHOLM–UPPSALA

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Program extraction from classical proofs

It is well known that any classical proof of a specification of the form $\forall x \exists y B$ with B quantifier-free can be transformed into a constructive proof of the same formula. However, when it comes to extraction of a program from a proof obtained in this way, one easily ends up with a mess. Therefore, some refinements of the standard transformation are necessary. In the talk I will explain a refined method of extracting reasonable and sometimes unexpected programs from classical proofs, and demonstrate its interest by means of some examples.

The talk is based on joint work with Ulrich Berger and Wilfried Buchholz.

Onsdag 8 september kl. 13.15–15.00,
sal 3513, MIC,
Polacksbacken, Uppsala.

Logikseminariets hemsida:
http://www.math.su.se/matematik/forskning/logik/