LOGIKSEMINARIET STOCKHOLM–UPPSALA

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Hävdandevillkor och klassisk logik

Classical deduction is typically justified in terms of preservation of the property of truth, construed as capable of attaching to a sentence independently of speakers' ability in principle to recognise it.

Mathematicians and philosophers uncomfortable with this notion of truth (typically intuitionists) find themselves facing an unhappy choice: either to renounce common-sense classical inference and retreat to a weaker logic, or to persist in their classical ways without being able to justify their practice.

In the seminar I shall attempt to escape this dilemma by presenting an alternative semantics for the logical operators based not on truth conditions but on assertion conditions of statements. The theory is akin to well-known intuitionistic interpretations of the logical operators, but unlike these it turns out (by intuitionistically acceptable meta-reasoning) to render all classical first-order inferences valid.

Presentation will be in Swedish or English according to listeners' preferences.

Onsdag 21 januari kl. 13.15–15.00, sal 3513,
MIC, Polacksbacken, Uppsala.

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