Einladung zum Oberseminar Mathematische Logik

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Reflective closure revisited

Feferman introduced the notion of reflective closure in 1991. The reflective closure was intended to capture the implicit commitments of accepting a theory. For PA the reflective closure turned out to be proof-theoretically equivalent to the predicative systems of ramified analysis. The use of a type-free truth predicate was later described as 'artificial' and one of the reasons for Feferman to restate the reflective closure in terms of his program of unfolding. In the talk I will provide some philosophical background on the notion of reflective closure. Based on this I will take another look at the options for a type-free truth predicate in the setting of partial logic to be less 'artificial' for the formulation of reflective closure and at the same time recapture the proof-theoretic strength of the classical versions.

Ort: Mathematik Ost, Seminarraum 01.003	Zeit: Montag, 29.04.2024 16:15

Zu diesem Vortrag laden wir Sie herzlich ein.

gez. Anton Freund