Kolloquium Logik und Sprachtheorie
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Endlichkeit in Logik-Formalismen 1. Stufe

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Abstact:

Proof theoretical and especially automated deduction methods sometimes accept infinity where in fact it can be omitted. One example deals with the infinite supply of variables admitted in deductions, another with infinite-branching rules in sequent calculi with number-theoretical induction. We consider classical formalisms only, to which constructive formalisms can be reduced by familiar interpretations.