

Logikseminariet Stockholm–Uppsala

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Proofs and Partiality

It is well known that equational logic is not sound for structures with partial functions. A sound system for Horn logic with partial functions, called PHL (investigated by E. Palmgren and S. Vickers, and presented earlier in the Stockholm–Uppsala logic seminar), is one of many alternative systems. In this talk, we extend PHL to handle, not only partial, but also lazy functions. Further, some proof theoretic properties of the new system, and particularly its precise relation to PHL, are investigated.

Onsdag 21 mars kl. 10.30–12.15,
sal 11167, Ångströmlaboratoriet, Uppsala.

<http://www.math.su.se/~jesper/seminarier/>