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A topoi characterization of Gödel intermediate logics

A new semantics based on topoi for the family of logics presented by Gödel in [1] is given and proved to be sound and complete. This capitalizes on a general presentation of propositional intermediate logics which are shown to be sound and complete with respect to appropriate subclasses of Heyting algebras. A brief survey of topoi and topos semantics is presented.

References:

- [1] K. Gödel. *Zum intuitionistischen aussagenkalkül*. 1932.