Intuitionist default theories and their common derivations

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Abstract

Various questions concerning extensions of default theories in Nonmonotonic Logic, specifically Default Logic, have been explored in detail by Marek, Truszczyński, and others. We explore the problem of finding a common derivation for a formaula ϕ occuring in each extension of a default theory (D, W). Further, we take an intuitionist view, and show how this enhances as well as simplifies the result. This work is part of the first author's dissertation, which is in preparation.

*Presenter

[1] Marek, Truszczyński "Nonmonotonic Logics; Context-Dependent Reasoning", Springer-Verlag, 1993.