

Algebraic Analyses Of Bimodal Symmetric Intuitionistic Logic

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A "symmetric" formulation of intuitionistic propositional calculus (Int^2), suggested by various authors (G. Moisil, A. Kuznetsov, C. Rauszer), presupposes that each of the connectives $\&, \vee, \rightarrow, \top, \perp$ has its dual $\vee, \&, \rightarrow, \perp, \top$ and the duality principle of the classical logic is restored. In my work I will investigate symmetric intuitionistic logic, the language of which is enriched by two modalities \square and \diamond . I will investigate Algebraic models (which are Heyting algebras) and Topological models of this logic.