研究室名	上出研究室　論文発表

発表時期	2019年5月
題名	Bi-classical connexive logic and its modal extension: Cut-elimination, completeness and duality
掲載雑誌	Logic and Logical Philosophy 28 (3), pp. 481-511, Nicolaus Copernicus University Press, 2019.
著者	Norihiro Kamide
概要	In this study, a new paraconsistent four-valued logic called bi-classical connexive logic (BCC) is introduced as a Gentzen-type sequent calculus. Cut-elimination and completeness theorems for BCC are proved, and it is shown to be decidable. Duality property for BCC is demonstrated as its characteristic property. This property does not hold for typical paraconsistent logics with an implication connective. The same results as those for BCC are also obtained for MBCC, a modal extension of BCC.