

情報電子工学科 論文発表

題名	Paraconsistent double negation as a modal operator
掲載雑誌	Mathematical Logic Quarterly 62 (6), pp. 552-562, 2016, Wiley-Vch Verlag
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概要	A paraconsistent modal-like logic, PM, is defined as a Gentzen-type sequent calculus. The modal operator in the modal logic S4 can be simulated by the paraconsistent double negation in PM. Some theorems for embedding PM into a Gentzen-type sequent calculus for S4 and vice versa are proved. The cut-elimination and completeness theorems for PM are also proved.