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概要
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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.
情報電子工学科工学科　論文発表
Bi-classical connexive logic and its modal extension: Cut-elimination, completeness and duality
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