研究、探讨

二值命题逻辑中基于条件真度的近似推理

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摘要　　以公式真度为基础，给出了二值命题逻辑中基于条件真度的逻辑度量的真度表示式，提出了两类在信息Γ下的误差不大于ε结论模式，证明了两类结论模式的等价性，并讨论了基于条件真度和真度的近似推理及其关系问题。

关键词　　二值命题逻辑　真度　条件真度　有限理论　伪距离　近似推理

分类号

Approximate reasoning based on conditional truth degree of formulas in classical propositional logic

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Abstract

This paper proposes the truth degree expression of the pseudo-metric in two-valued propositional logic，which are based on the truth degree.From the process of approximate reasoning，the equivalence of not greater than ε-value in two kinds of errors has also been proved.Meanwhile，using the finite theory，discuss the principal properties of the error's conclusions which are not greater than ε under the Boolean calculation.

Key words　classical propositional logic　truth degree　conditional truth degree　finite theory　pseudo-metric　approximate reasoning

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