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Finite compactness theorem for biprobability logics. (English) Zbl 0749.03008

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Summary: The aim of the paper is to prove the compactness theorem for universal conjunctive formulas of $L_{AP_1P_2}$ for both absolutely continuous and singular cases. A similar result for the logic L_{AP} was proved by D. Hoover.

MSC:

03B48 Probability and inductive logic

03C80 Logic with extra quantifiers and operators

Keywords:

biprobability logics; compactness theorem for universal conjunctive formulas