

Ilić Stepić, A.; Ognjanović, Z.; Ikodinović, N.; Perović, A.
 p -adic probability logics. (English) Zbl 1353.03013
p-Adic Numbers Ultrametric Anal. Appl. 8, No. 3, 177-203 (2016).

Summary: This paper represents an comprehensive overview of the results from three papers where we developed several propositional logics for reasoning about p -adic valued probability. Each of these logics is a sound, complete and decidable extension of classical propositional logic.

MSC:

03B48 Probability and inductive logic
03B25 Decidability of theories and sets of sentences
03B42 Logics of knowledge and belief (including belief change)

Cited in 2 Documents

Keywords:

p -adic; probability logic; conditional probability; p -adic distances; coding information

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