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Rough set algorithms in classification problem. (English) [Zbl 0992.68197](#)

Polkowski, Lech (ed.) et al., Rough set methods and applications. New developments in knowledge discovery in information systems. Dedicated to the memory of Prof. Adam Mrózek (1949-1999). Heidelberg: Physics-Verlag. Stud. Fuzziness Soft Comput. 56, 49-88 (2001).

Summary: We present some algorithms, based on rough set theory, that can be used for the problem of new cases classification. Most of the algorithms were implemented and included in Rosetta system. We present several methods for computation of decision rules based on reducts. We discuss the problem of real value attribute discretization for increasing the performance of algorithms and quality of decision rules. Finally, we deal with a problem of resolving conflicts between decision rules classifying a new case to different categories (classes).

For the entire collection see [\[Zbl 0979.00021\]](#).

MSC:

68T30 Knowledge representation

Cited in **21** Documents

Keywords:

[Rosetta system](#); [decision rules](#)

Software:

[LERS](#); [ROSETTA](#)