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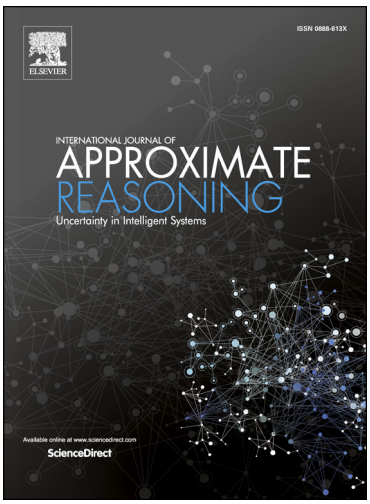

Three-way attribute reducts

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Highlights

- Relative dependency degree is mined by lattice bases and accuracy mechanisms.
- Relative dependency degree guides approximate reducts: positive quantitative reducts.
- Three-way quantitative and qualitative reducts are proposed by the relative measure.
- Internal and mutual relationships of three-way reducts of two patterns are revealed.
- Three-way reducts improve two-way reducts from the viewpoint of three-way decisions.

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