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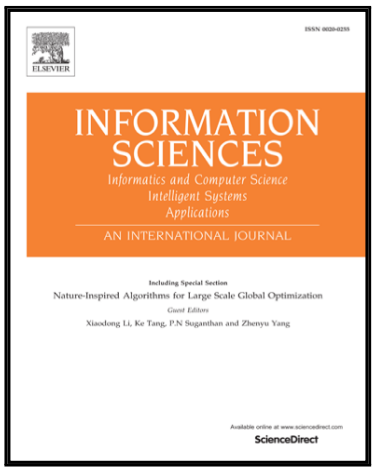

Theory of inclusion-exclusion integral

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Highlights

- A new class of integral that corresponds to a nonadditive measure.
- The new integral is defined using an interaction operator.
- Several mathematical properties of this integral are demonstrated.
- A mathematical model using this integral is proposed and constructed.
- The mathematical model is applied to a real dataset.

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