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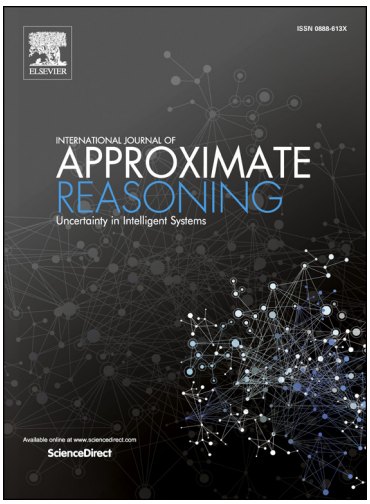

Fuzzy topology via fuzzy geometric logic with graded consequence

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Highlights

- Fuzzy geometric logic and geometric logic with graded consequence are introduced.
- Graded fuzzy topological system is introduced.
- Notion of graded frame is introduced.
- Fuzzy topological space with graded inclusion is introduced via fuzzy geometric logic with graded consequence which is a generalisation of Vickers's idea of topology via geometric logic.