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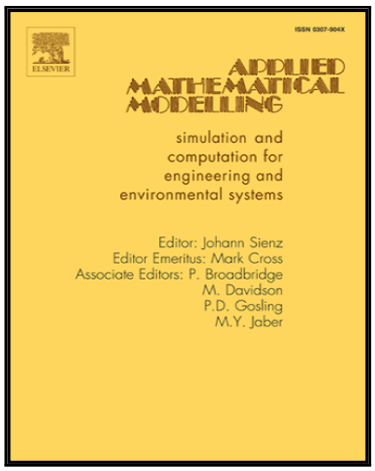

Vulnerability for systems described by cellular automata: application to flood phenomena

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Highlights

- Concepts of spreadability in inclusion and area senses for cellular automata are introduced.
- Concepts of corresponding vulnerability and vulnerability index are introduced.
- An application to flood phenomena using the cellular automaton 2CAFDYM is discussed.
- Some simulation results for a basin in northern Morocco are considered.

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