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Uncertain input data problems and the worst scenario method. (English) Zbl 1164.93354
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Summary: An introduction to the worst scenario method is given. We start with an example and a general abstract scheme. An analysis of the method both on the continuous and approximate levels is discussed. We show a possible incorporation of the method into the fuzzy set theory. Finally, we present a survey of applications published during the last decade.

MSC:

- 93C25 Control/observation systems in abstract spaces
- 93C41 Control/observation systems with incomplete information
- 74C10 Small-strain, rate-dependent theories of plasticity (including theories of viscoplasticity)
- 74K20 Plates

Cited in 4 Documents

Keywords:

uncertain input data; worst-case approach; fuzzy sets

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