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Mission Abort Policy Balancing the Uncompleted Mission Penalty and System Loss Risk

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Highlights

- Mission abort policy for systems working in random environment is considered.
- The mission is aborted when m -th shock occurs before time ξ since the mission start.
- A tradeoff between expected costs of system loss and uncompleted work is analyzed.
- Algorithm for optimal choice of the decision variables m and ξ is suggested.

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