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Joint optimization of condition-based opportunistic maintenance and spare parts provisioning policy in multiunit systems

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**Highlights:**

- Investigate maintenance and inventory policy for identical multi-unit systems;
- Derive maintenance and inventory activities according to inspected joint state;
- Deduce probabilities and solutions of maintenance and inventory activities;
- Formulate an expected long-run cost model to determine optimal strategy jointly;
- Demonstrate necessity and correctness of the model by conducting a case study.

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