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Modelling inspection and replacement quality for a protection system

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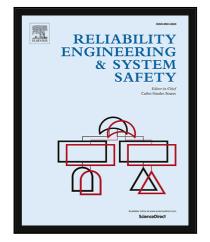
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## Highlights

- Four aspects of quality of inspection and replacement are modelled
- Defect induction, false positive and negatives, and component heterogeneity
- Defect induction is key determinant of optimal maintenance policy
- Guidance for prioritization of investment in quality improvement

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