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Localizing Multiple Software Faults based on Evolution Algorithm

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Highlights

- Genetic algorithm is utilized to solve multi-fault localization problem.
- A highly flexible framework FSMFL is implemented for fault localization.
- A novel fitness function is designed for the purpose of multi-fault localization.
- A large-scale benchmark with both single- and multi-fault programs is built.
- 8 single-fault and multi-fault localization approaches are compared with FSMFL.

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