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Automated Software Design using Ant Colony Optimization with
Semantic Network Support

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Highlights

- Ant colony optimization is applied, to automate detail design of software.
- Problem domain knowledge is involved in optimization phase to get better results.
- A new metric is introduced, useful for automated object-oriented software design.
- Optimization with semantic network support led to more autonomous design method.
- The proposed method is evaluated using 5 case studies and results are reported.

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