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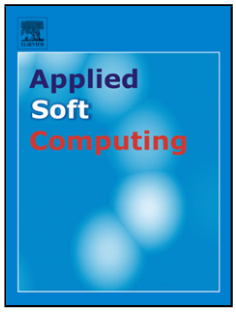

Title: A new hybrid CG-GAs approach for high sensitive optimization problems: with application for parameters estimation of FG nanobeams

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Highlights

- A new hybrid optimization approach is introduced.
- The method is applied to solve high sensitive optimization problems.
- In the method, conjugate gradient and genetic algorithms are used.
- The method is applied for parameters estimation problem of nanobeams.
- Efficiency, accuracy and low computational cost of the method are shown.

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