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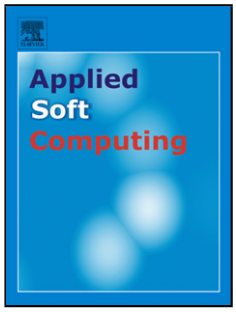

Title: Metaheuristic algorithms for approximate solution to ordinary differential equations of longitudinal fins having various profiles

Author: Ali Sadollah Younghwan Choi Joong Hoon Kim

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Highlights

- Approximate solutions to ordinary differential equations (ODEs) in engineering.
- Fourier series with the aid of metaheuristics used as suggested approximate method.
- The GA, PSO and HS are utilized for optimization purposes.
- Obtained approximate solutions by the proposed method confirm the results by others.
- Proposed approach offers acceptable accuracy for a wide range of ODEs.

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