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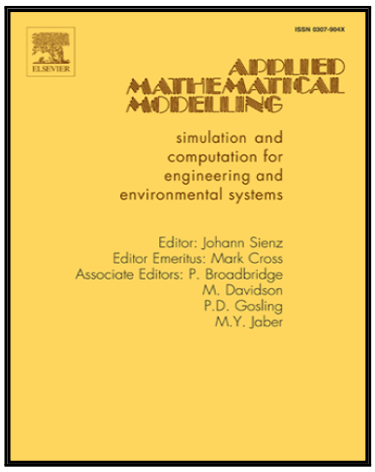

Numerical solution of the static beam problem by Bernoulli collocation method

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Highlights

- We use Bernoulli polynomial approximation to reduce the problem to a finite dimensional system.
- We provide an iterative process to solve this system together with a collocation method.
- Numerical experiments verify that our numerical method has high accuracy and efficiency.

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