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Dynamic responses of Euler-Bernoulli beam subjected to moving vehicles using isogeometric approach

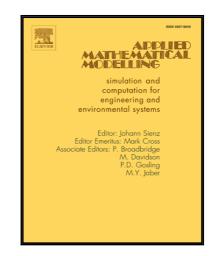
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Highlights

- Dynamic responses of beam subjected to moving vehicle uses an isogeometric approach
- A rotation—free technique is incorporated into the formulation by only one variable
- The present method can predict the behavior of the beam with high accuracy
- The proposed isogeometric approach reduces the computational time and cost

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