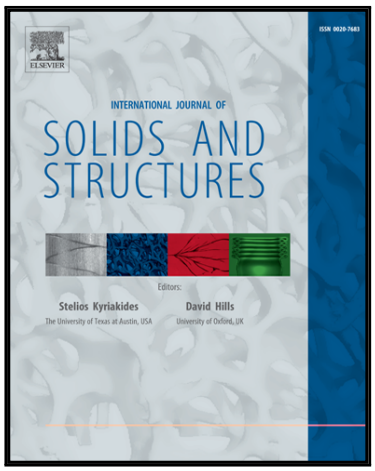

Structural reanalysis via force method

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Highlights

- A new framework for structural reanalysis has been developed
- The approach is iterative and formulated based on the method of forces
- Structural reanalysis is carried out using iterative matrix to vector multiplications
- A rigorous study of the convergence for the iterative process is provided
- The method requires only $O(m^2)$ flops in order to form accurate solutions