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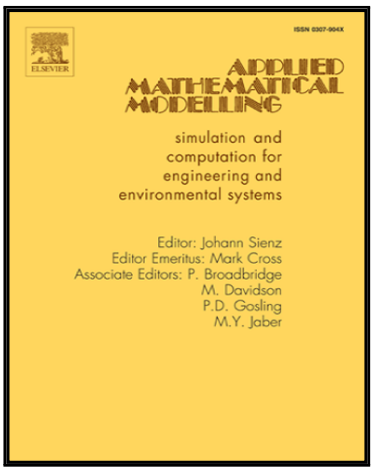

Thermal stress singularity analysis for V-notches by natural boundary element method

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Highlights

- **The nearly singular integral is reduced by one order in the newly established natural BEM.**
- **The natural BEM can be used to calculate the thermal stress much closer to the boundary.**
- **The thermal stress singularity is investigated basing on the near V-notch tip stress field.**
- **The mathematic and physic double singularity are dealt with in the present paper.**

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