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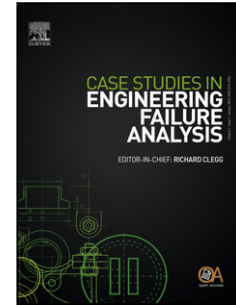
Title: Methods of determining the critical areas of transmission towers due to sudden removal of members

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Highlights

- A 400 kV lattice tower is modeled in OpenSees.
- Methods of determining the critical areas of the structure are investigated.
- Progressive collapse analysis is performed and the results are reported in charts.
- The IF and CoD ratios are calculated for different removal scenarios of members.
- Impact factor corresponds with the capacity-to-demand ratio in 41% of scenarios.

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