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Similarity considerations for scale-down model versus prototype on impact response of plates under blast loads

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**Highlights**

- Corrected similarity of dynamic responses of geometrically incomplete scale-down mode of plate under blast load was studied.
- A well-suited method to determine the mass of TNT in the scale-down experiment was proposed.
- A rapid solution to predict the value of exponent  $n$  of correct similarity is proposed.

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