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Elasto-plastic solution for shallow tunnel in semi-infinite space

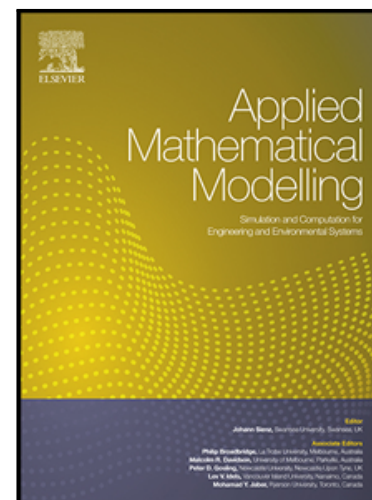
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Highlight

(1) Elasto-plastic solution for shallow tunnel in a semi-infinite space was proposed.

(2) The gravitational effect on stress in the elastic surrounding rocks is notable.

(3) The influence of gravity on the elasto-plastic model is limited.

(4) Calculations of plastic zone shape are consistent with the results generated by Midas-GTS.

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