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Modelling of deformation of underground tunnel lining, interacting with water-saturated soil

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Abstract

© Published under licence by IOP Publishing Ltd.Built finite element method of calculating the deformation of underground tunnel lining, interacting with dry and water-saturated soils. To simulate the interaction between the lining and soils environments, including physical and non-linear, a special "contact" finite element, which allows to consider all cases of interaction between the contacting surfaces. It solved a number of problems of deformation with the ground subway tunnel lining rings.

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