

## Study on the Model Predicting Post-Construction Settlement of Soft Ground

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**Abstract :** In order to estimate the post-construction settlement more objectively, the power-polynomial model is proposed, which can reflect the trend of settlement development based on the observed settlement data. It was demonstrated by an actual case history of an embankment, and during the prediction. Compared with the other three prediction models, the power-polynomial model can estimate the post-construction settlement more accurately with more simple calculation.

**Keywords :** prediction, model, post-construction settlement, soft ground

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