

5 结 论

本文用有限单元法模拟了路基沉降试验段在整个施工过程中地基和路堤的变形、地基中的孔隙水压力和应力,所得的沉降量和实测结果相符。说明用 Biot 三维固结理论及与其相应的有限单元法来模拟路基的沉降是有效的、可靠的。

除了将计算沉降曲线与实测沉降曲线作比较外,数值计算结果还提供了地基在施工过程中的整体响应。这些信息对于高速铁路建设的前期技术储备是需要的,完全靠实测手段是无法得到的,它可作为下个试验段测试方案制定的参考。所提供的计算方法还可作为一种较可靠的方法来估计路基的工后沉降。

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Papers related to all aspects of solid waste technology and management are of interest, including:

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To submit a paper, a one-page abstract (in English) should be sent to: Dr. Ronald L. Mersky, Conference Chair, Department of Civil

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The paper title, the names of all authors, the complete postal and email addresses of the corresponding author and a brief abstract should be provided.

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