

流固耦合介质轴对称动力问题解法的改进

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摘要 用直接求解常微分方程组解文 [1] 所得的控制方程, 减少了传递矩阵计算工作量, 避免了子阵求逆, 使问题的求解得到了简化

关键词 [Laplace-Hankel变换](#) [轴对称动力问题](#) [多层地基](#)

分类号

AN IMPROVEMENT OF TRANSIENT SOLUTIONS OF AXISYMMETRIC DYNAMICS PROBLEM FOR TWO PHASE MEDIA

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Abstract

In Reference , the linear differential equations of axisymmetric dynamic problem for two phase media are derived by means of Laplace Hankel mixed transforms. To obtain a set of solutions in transform space for one layer in the form of initial parameters the fluid specific flux vector should be introduced. Based on the solutions of one layer, the solutions of multi layered system are achieved by employing the transfer matrix method, but the flux boundary condition should be provided and the inversion of ...

Key words [Laplace Hankel transforms](#) [axisymmetric dynamic problem](#) [multi layered foundation](#)

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