THE TORSIONAL SEISMIC RESPONSE ANALYSIS FOR THE PILE FOUNDATION UNDER THE ACTION OF TORSIONAL WAVE OF THE LAYERED ELASTO-FOUNDATION SOIL

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Abstract

In this paper, the reasonable mechanics model are established for single pile foundation in layered elastic ground by means of characteristic analysis. Then the torsional vibration analysis of the pile is carried out according to layered elasto-foundation soil model, thus the analytic solutions for the torsional free vibration characteristics and the coercion responses under the action of the torsional seismic loading and torsional vibration loading of the pile are given. The analytic formulas in the paper provide a new analytic method for the torsional seismic response analysis of the pile foundation in layered elastic ground.

Subject words: Torsional wave, Seismic response analysis, Foundation, Pile

会讯

1995年甘肃省科技期刊主编新春座谈会在兰召开

1995年元月6日，甘肃省科委和省新闻出版局在兰州联合召开了“1995年甘肃省科技期刊主编新春座谈会”。出席会议的有中央在甘和本省80多家科技期刊的96名代表，省内外一些关心支持科技期刊事业的企事业单位也派人参加了会议。这次会议得到了天津市天磁公司和兰州八一兴隆矿泉饮料总厂等单位的大力协助。

会上围绕“加强科技期刊管理工作，深化科技期刊改革和繁荣科技期刊事业”的主题，省科委副主任吴新科和省新闻出版局副局长杨效知同志作了重要讲话。科技期刊主编和特邀企业的代表也进行了大会发言。

与会代表们认为：科技期刊是科技工作的重要组成部分，她孕育着丰富的信息资源。这次会议的召开，对沟通期刊与企业的联系，增加期刊与企业的合作机会，促进各刊编辑部以期刊为阵地，以科技为依托，以信息为媒介，充分利用期刊联系广泛的优势，大力开展科技咨询、成果推广和技术培训等工作将起到积极的推动作用。

（期宣）