

润扬大桥锚碇基岩摩阻力试验研究

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摘要 采用室内试验和现场剪切试验等手段研究了润扬大桥南北锚碇基底基岩-混凝土胶结面的强度,并根据试验研究成果及现场实际情况,综合分析多种影响因素,研究确定整个锚碇范围内基底摩阻力情况。

关键词 [岩石力学,锚碇,基岩,摩阻力,接触面](#)

分类号

TESTING STUDY ON BASE RESISTANCE OF THE ANCHORS AT RUNYANG YANGTZE BRIDGE

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Abstract

The shear strength of the contacting surface between bedrock and anchor concrete is obtained through laboratory direct shear test and in-situ shear test at the South Suspension Bridge of Runyang Yangtze Bridge. The testing results show that there is significant cohesion on the contacting surface between full weathered rock and concrete because of the rough contacting surface. The shear strength indexes c and j are the functions of roughness of contacting surface between concrete and weak or slight weathered rocks. The available shear strength indexes c and j are suggested for the contacting surfaces between concrete and full to slight weathered rocks on the anchor base according to the testing results.

Key words [rock and soil mechanics,concrete anchor,bed rock,friction resistance,contacting surface](#)

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