

[1]陈廷方,崔鹏.西昌—攀枝花高速公路弃土场土壤侵蚀预报[J].自然灾害学报,2007,01:109-112.

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西昌—攀枝花高速公路弃土场土壤侵蚀预报

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Title: Prediction of soil erosion on dump yard of Xichang-Panzhihua expressway

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关键词: [弃土场](#); [土壤侵蚀](#); [降雨试验](#)

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摘要: 为探讨高速公路施工期弃土场边坡的水土流失规律,对西昌—攀枝花高速公路一弃土场边坡进行了天然降雨条件下水土流失观测试验,结果表明,弃土场边坡的主要侵蚀形式是沟蚀,主要侵蚀因子是次降雨量和汇水平台宽度。最后提出了预测西昌—攀枝花高速公路弃土场边坡土壤侵蚀量的土壤侵蚀模型。

Abstract: In order to investigate the behavior of soil erosion on slope of dump yard of Xichang-Panzhihua express-way during construction, the experimient of soil erasion with natural rainfall on Xichang-Panzhihua expressway was conducted. The results show that the main type of soil erosion is gully erosion, the amount of soil erosion caused by gully erosion is higher than that by surface erosion. The principal factor causing soil erosion on the slope is individual amount of precipitation and the width of the flat roof.

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Finally, a model to predict soil erosion on the slope of dump yard of Xichang-Panzhuhua expressway was given.

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