气象与环境学报 2006 22 (6): 18-21 ISSN: 1673-503X CN: 21-1531/P

论文

高速公路路面摩擦气象指数预报方法

谢静芳[1],吕得宝[2],王宝书[1]

1.长春市气象台 长春130062;2.吉林省交通科学研究所 长春130012

收稿日期 2006-7-6 修回日期 2006-8-16 网络版发布日期 接受日期

摘要 根据目前不同气象条件下高速公路路面摩擦系数的测试结果,
分析了吉林省高速公路路面摩擦系数的主要影响因素及其与天气之间的关系。结果表明:
天气变化是使高速公路路面摩擦系数在短时间内发生显著改变的最主要因素。定义了与气象条件有关的路面摩擦气象指数,
根据其对车辆安全行驶的影响,制定了吉林省高速公路路面摩擦气象指数的等级划分标准,
研究探讨了根据天气条件预报高速公路路面摩擦气象指数的方法。

关键词 高速公路 摩擦系数 气象指数预报

分类号

Forecasting method of surface friction meteorological index for high way

XIE Jingfang LV Debao WANG Baoshu

1.Changchun Meteorological Observatory;Changchun 130062;2.Jilin Institute of Traffic Sciences;Changchun 130012

Abstract Based on the testing results of surface friction coefficient for high way in different meteorological conditions,main influencing factors of surface friction coefficient and its relationship with weather factors were analyzed in high way of Jilin province.The results showed that the weather change was the main factor to make the surface friction coefficient changed obviously in a short time.Surface frication meteorological index related to meteorological conditions was defined.Based on its influence to safety driving,surface frication meteorological index grades were established in high way of Jilin province.And a method of forecasting surface friction meteorological index was discussed according to weather conditions.

Key words High way Friction index Meteorological forecast index

DOI:

通讯作者