



基于乘客能量和心理阻抗的换乘便利性分析

Transfer Convenience Analysis Based on Passengers' Physical and Ps

投稿时间: 2008-11-9 最后修改时间: 2009-12-25

DOI: 稿件编号: 中图分类号:F572.6

中文关键词: [KLP](#) [换乘阻抗](#) [能量阻抗](#) [意识阻抗](#)

英文关键词: [KLP](#) [transfer resistance](#) [physical impedanceresistance](#) [psychological Impedance](#)

| 作者 | 单位 |
|---------------------|------------------------------------|
| 何静 | 同济大学, 运输管理工程系 |
| 刘志钢 | 上海工程技术大学 城市轨道交通学院 |
| 孙有望 | 同济大学, 运输管理工程系 (博导) |

摘要点击次数: 2 全文下载次数: 1

中文摘要

交通系统换乘过程会给乘客的出行带来一定程度的影响。乘客会随着在换乘过程的位移产生生理、心理上的负担。将换乘过程理阻抗。通过乘客在不同换乘径路以及换乘设施条件下的能量损耗, 可以计算出乘客的能量阻抗值。在能量阻抗的基础上, 利用KLP(M), 分析乘客换乘时心理负担, 求得乘客心理阻抗的评价指标。通过换乘能量阻抗及心理阻抗指标对轨道交通的换乘便利性进行评以及对现有设施的改良提供依据, 促进换乘成本的更精确的表现。

英文摘要

During the course of transfer, there would be some influence to passenger; energy consumption will be produced psychology burden will come with heavy traffic and inconvenience. The quantization of energy consumption and psychol is classified into physical and psychological impedance. Physical resistance will be defined based on different ener facilities. With the result of physical resistance, the technical point on passenger' s psychology resistance is prc then psychological impedance would be determined, with its practical significance analysis, to evaluate the transfer resistance is provided for the planning standard establishment and the improvement on the design of interchange hub impedance to evaluate transfer convenience, which would make the value of transfer cost more precise.