



基于单纯形法的城轨列车惰行点搜索

Coast points searching for urban mass transit trains based on

投稿时间: 2008-10-21 最后修改时间: 2009-12-22

DOI: 稿件编号: 中图分类号: TP391

中文关键词: [单纯形法](#) [惰行点搜索](#) [运行时间](#) [能量消耗](#) [区间运行](#)

英文关键词: [simplex method](#) [coast points searching](#) [runtime](#) [energy-consumption](#) [inter-station run](#)

| 作者 | 单位 | E-mail |
|---------------------|----------------------|--------------------------|
| 赵亚辉 | 同济大学 | yahui_zhao@tongji.edu.cn |
| 谢维达 | 同济大学 | |

摘要点击次数: 2 全文下载次数: 1

中文摘要

摘要: 针对电气化铁路的节能技术, 解决方案通常为优化牵引运行策略、再生制动和能量存储系统。为提高单列车区间运行²以适当减少牵引能源消耗。惰行控制是一种通用的方法来平衡运行时间和能源消耗, 然而, 确定合适的惰行点在实际应用情况下的文介绍了基于单纯形法的搜寻合适列车惰行点的方法, 在特定运行时间下考虑, 借助于单列车仿真系统的帮助, 研究了这种启发式搜

英文摘要

Abstract: The technical solution for energy saving on electrified railways is usually provided by optimizing d storage systems. For consuming traction energy more efficiently during a single-train journey, an effective method i reasonable running time. Coasting control is a viable means to balance the specific run-time and the energy consumpt starting points under the constraints of current service conditions is not simple. The paper presents an application coast points for urban mass transit trains and investigates the feasibility and performance of this searching measur single train simulator, according to specified inter-station run times.