

[an error
occurred
while
processing
this
directive]

本期目录 | 下期目录 | 过刊浏览 | 高级检索
[关闭]

[打印本页]

论文

环境和能源约束下的内生经济增长模型

王庆晓,崔玉泉,张延港

山东大学数学学院, 山东 济南 250100

摘要:

综合考虑环境和能源这两个制约经济高速发展的因素,建立经济增长和环境质量与能源强度之间的关系。引入人的身体健康指数去衡量环境的质量,并将其引入效用函数,揭示了基于代表性个体的消费和健康的效用函数达到最大化的经济发展需要满足的条件。

关键词: 环境;能源;经济可持续发展;内生增长

An endogenous economic growth model with the restraints of environment and energy

WANG Qing xiao, CUI Yu quan, ZHANG Yan gang

School of Mathematics, Shandong University, Jinan 250100, Shandong, China

Abstract:

By considering the two factors affecting the economic growth, environment and energy, the relationship between economic growth, environmental quality and energy intensity was setup. The health index of people was introduced to measure environmental quality. Meanwhile, the health index was taken as a variable of the utility function. Finally, the conditions that the sustainable development of economy needed to satisfy were shown, which can maximize the utility function including two variables, consumption and health index.

Keywords: environment; energy; sustainable development; endogenous growth

收稿日期 2008-07-19 修回日期 网络版发布日期

DOI:

基金项目:

中科院知识创新工程重要方向资助项目(KZCXZ YW 305 4); 山东省自然科学基金资助(Y2007G08)

通讯作者:

作者简介:

本刊中的类似文章

扩展功能

本文信息

Supporting info

PDF(250KB)

[HTML全文]

[\(\\$ {article.html_WenJianDaXiao} KB\)](#)

参考文献[PDF]

参考文献

服务与反馈

把本文推荐给朋友

加入我的书架

加入引用管理器

引用本文

Email Alert

本文关键词相关文章

环境;能源;经济可持续发展;内生增长

本文作者相关文章