



云南大学学报(自然科学版) » 2004, Vol. » Issue (2): 139-143 DOI:

物理学、材料科学

最新目录 | 下期目录 | 过刊浏览 | 高级检索

◀ Previous Articles | Next Articles ▶▶

### 近500年中国旱涝时空分布特征的研究

严华生, 万云霞, 严小冬, 谢屹然

云南大学, 大气科学系, 云南, 昆明, 650091

A study of the temporal and spatial features of dryness & wetness last 500-year period in China

YAN Hua-sheng, WAN Yun-xia, YAN Xiao-dong, XIE Yi-ran

Department of Atmospheric Science, Yunnan University, Kunming 650091, China

- 摘要
- 参考文献
- 相关文章

全文: PDF (617 KB) HTML ( KB) 输出: BibTeX | EndNote (RIS) 背景资料

**摘要** 为了揭示我国旱涝的时空分布特征,采用滑动平均、经验正交函数(EOF)展开以及谱分析等统计分析方法对我国100个站近500a的旱涝资料进行分析.结果表明,中国旱涝变化在时间和空间上存在着2个主要特征:从时间演变上看,中国旱涝变化有明显的周期性,其周期大约为24.75a,自1800年以来,出现逐渐干旱化的倾向;从空间分布上看,中国旱涝变化呈南北型分布,且南北中心不同,北方只有1个中心,但南方包括东南和西南2个中心.

**关键词:** 中国旱涝 时空分布特征 统计分析方法

**Abstract:** To reveal the spatial and temporal distribution variation characteristics of drought and flood of China,the drought or flood data of 100 stations in China from 1470 to 1996 were analyzed by using statistical analysis methods,such as overlapping average,EOF expansion,spectral analysis,and so on.There are two main features about the spatial and temporal distribution variation as follows:(1) on the one hand,as far as temporal variation is concerned,the variation of dryness and wetness in China has significant period which is about (24.75) years,and it has been become more and more drought gradually since 1800;(2) on the other hand,from the space point of views,the main type of drought and flood in China on spatial distribution is latitudinal pattern,and the center of south and north is different because the latter has only one center but the former includes two centers,namely southeast and southwest.

**Key words:** dryness and wetness in China temporal and special features statistical analysis method

收稿日期: 2003-05-02;

基金资助:云南省重点基金项目(2003D0014Z);国家自然科学基金资助项目(40065001).

引用本文:

严华生,万云霞,严小冬等. 近500年中国旱涝时空分布特征的研究[J]. 云南大学学报(自然科学版), 2004, (2): 139-143.

YAN Hua-sheng,WAN Yun-xia,YAN Xiao-dong et al. A study of the temporal and spatial features of dryness & wetness last 500-year period in China[J]. , 2004, (2): 139-143.

没有本文参考文献

没有找到本文相关文章

#### 服务

- ▶ 把本文推荐给朋友
- ▶ 加入我的书架
- ▶ 加入引用管理器
- ▶ E-mail Alert
- ▶ RSS

#### 作者相关文章

- ▶ 严华生
- ▶ 万云霞
- ▶ 严小冬
- ▶ 谢屹然

版权所有 © 《云南大学学报(自然科学版)》编辑部

编辑出版: 云南大学学报编辑部 (昆明市翠湖北路2号, 650091)

电话: 0871-5033829(传真) 5031498 5031662 E-mail: yndxxb@ynu.edu.cn yndxxb@163.com