

论文

## ON A LINEAR EQUATIONS METHOD OF NONLINEAR POLYNOMIAL EQUATIONS-SOLVING

WU Wenjun (Wu Wen-tsun)

Institute of Systems Science, Academia Sinica, Beijing 100080, China

收稿日期 修回日期 网络版发布日期 接受日期

**摘要** A method for solving nonlinear polynomial equations is given which avoids the appearance of redundant factors as in the previous characteristic set method developed by the present author. The new method seems thus to be of much higher efficiency than the previous one. It has the further advantage that numerical data may be inserted at will either at the outset or during the procedure so far removal of factors by divisions may be avoided.

**关键词** [Equations-solving, nonlinear methods, cha](#)

分类号

## ON A LINEAR EQUATIONS METHOD OF NONLINEAR POLYNOMIAL EQUATIONS-SOLVING

WU Wenjun (Wu Wen-tsun)

Institute of Systems Science, Academia Sinica, Beijing 100080, China

**Abstract** A method for solving nonlinear polynomial equations is given which avoids the appearance of redundant factors as in the previous characteristic set method developed by the present author. The new method seems thus to be of much higher efficiency than the previous one. It has the further advantage that numerical data may be inserted at will either at the outset or during the procedure so far removal of factors by divisions may be avoided.

**Key words** [Equations-solving](#) [nonlinear methods](#) [characteristic set](#) [zero decomposition theorems](#) [eliminant](#) [subres](#)

DOI:

通讯作者

### 扩展功能

#### 本文信息

- ▶ [Supporting info](#)
- ▶ [PDF\(0KB\)](#)
- ▶ [\[HTML全文\]\(0KB\)](#)
- ▶ [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](#)
- ▶ [复制索引](#)
- ▶ [Email Alert](#)
- ▶ [文章反馈](#)
- ▶ [浏览反馈信息](#)

#### 相关信息

- ▶ [本刊中 包含“Equations-solving, nonlinear methods, cha”的相关文章](#)
- ▶ [本文作者相关文章](#)
- [WU Wenjun Wu Wen-tsun](#)