



航空学报 » 2002, Vol. 23 » Issue (6) :575-578 DOI:

论文

最新目录 | 下期目录 | 过刊浏览 | 高级检索

<< Previous Articles | Next Articles >>

飞机总体设计中基于参数的类翼面部件快速统一建模

王钢林, 孙义东, 武哲

北京航空航天大学513教研室 北京 100083

RAPID UNIFORM ALIFORM COMPONENT MODELING BASED ON PARAMETER IN CONCEPTUAL AIRCRAFT DESIGN

WANG Gang-lin, SUN Yi-dong, WU Zhe

Faculty 513, Beijing University of Aeronautics and Astronautics, Beijing 100083, China

摘要

参考文献

相关文章

Download: PDF (290KB) HTML 0KB Export: BibTeX or EndNote (RIS) Supporting Info

摘要 在面向对象技术的基础上,针对飞机部件自身的特点提出一套基于参数的飞机类翼面部件快速统一建模方法,以满足飞机总体设计过程中对建模的需求。该方法通过基准平面统一了所有类翼面部件的描述参数,使用很少的参数个数唯一精确地确定了部件的外形。统一参数的使用使多学科、多专业之间共享同一模型空间内的设计模型更为方便,综合设计的结果更具有准确性和可信性。从而提高飞机总体设计的质量和效率。

关键词: 飞机 飞机工程 总体设计 参数建模 面向对象

Abstract: This paper brings forward a method based on parameters to model aliform components in conceptual aircraft design. The method aims at the character of component, and was constructed on the basis of object oriented technology in order to meet the requests of the needs of conceptual aircraft design. This method unifies the parameters of aliform components. It has the capacity to define the shape of the component accurately and uniquely by a few parameters. It makes it easier to share the model within multidisciplines by using the uniform parameter. The production of synthetic design becomes more nice and reliable. The quality and efficiency of conceptual aircraft design are improved.

Keywords: air planes aircraft engineering conceptual aircraft design modeling object-oriented

Received 2001-12-27; published 2002-12-25

引用本文:

王钢林;孙义东;武哲. 飞机总体设计中基于参数的类翼面部件快速统一建模[J]. 航空学报, 2002, 23(6): 575-578.

WANG Gang-lin; SUN Yi-dong; WU Zhe. RAPID UNIFORM ALIFORM COMPONENT MODELING BASED ON PARAMETER IN CONCEPTUAL AIRCRAFT DESIGN[J]. Acta Aeronautica et Astronautica Sinica, 2002, 23(6): 575-578.

Service

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

作者相关文章

- ▶ 王钢林
- ▶ 孙义东
- ▶ 武哲