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飞机结构耐久性要求的新进展

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NEW PROGRESS IN AIRFRAME DURABILITY REQUIREMENTS

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摘要

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摘要 本文回顾了国内外有关飞机结构耐久性要求的发展情况。重点综述了在新的耐久件要求下,耐久性设计的基本思想、特征、广泛的适用范围、多种设计目标和完整体系。简述了两大类耐久性分析方法和耐久性试验特点、说明了耐久性设计与安全寿命设计和损伤容限设计之间的联系与区别。

关键词:

Abstract: The development history of airframe durability requirements in China and abroad is reviewed in this paper. Emphasis is given to a survey of the basic ideas, characteristics, wide application field and a variety of objectives and integrity systems of durability design in the new durability requirements. Two kinds of durability analysis approach and the distinguishing feature of durability test are briefly presented. The relation and difference among the designs of durability, safe-life and damage tolerance are stated.

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