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梁式机翼的控制寿命设计与验证

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DESIGN AND VERIFICATION OF CONTROL LIFE OF A WING WITH BEAMS

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摘要

应用“替损件”的设计思想来控制梁式机翼的疲劳寿命，并在××机翼主梁的寿命试验和全机组合疲劳试验中得到验证，得出十分满意的结果，为梁式机翼结构实现长寿命高可靠性的目标，提供一条成功的途径。

关键词： 梁式机翼 替损件 控制寿命 疲劳裂纹

Abstract:

The design conception of damageable substitute is for the first time applied to control the fatigue life of a wing with beams and it is also verified in the fatigue life tests of main beams of wings and aircraft components. The results are very satisfactory and thus an extremely successful access is supplied to achieve the aims of long life and high reliability of wing structures with beams.

Keywords: wing with beams damageable substitute control life fatigue crack

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