

Application of Structural health monitoring technology in aircraft structure ground test

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Key Words: *Structural health monitoring, Aircraft structure ground test.*

Structural health monitoring (SHM) technology has experienced rapid development since the emergence of its concept, however, in the applications of aviation engineering it faces the bottleneck. The work about the recent progress on application of SHM in aircraft structure ground test in Aircraft Strength Research Institute of China (ASRI), which is to solve the above problems, is introduced in this paper. Based on the need of SHM in aircraft structure ground test, the strategy and status of SHM in ASRI is presented. For the some problems in application of SHM in aircraft structure ground test, the researches in ASRI is presented. The problems that need to be solved are also discussed.