

1.10.16. METHODOLOGY OF COMPUTER DEVELOPMENT OF USE OF NON-DESTRUCTIVE TESTING AND DIAGNOSING OF AIRCRAFT AND AVIATION ENGINES DURING THEIR DESIGNING, OPERATION AND REPAIR

Valavichyus V.T.

Main principles of methodology of computer use of non-destructive testing and diagnosing of aircraft and aviation engines are developed during their designing, operation and repair with application of package Maple 12.

Main principles of the developed methodology include:

1. Research of the most responsible places for use of non-destructive testing and diagnosing of aircraft and aviation engines during their designing, operation and repair.
2. A choice and introduction of perspective methods of non-destructive testing and diagnosing.
3. Development of methods of calculations during non-destructive testing and diagnosing of aircraft and aviation engines over use of the chosen package.
4. Introduction of the developed methodology during designing, operation and repair of aircraft and aviation engines.