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BOUNDARY CONDITION ON STRESS CALCULATION OF THE NOZZLE FIXED CASE

Abstract

Considering the effects of nonmetal thermal expansion, heat-structure coupled model with load boundary condition on stress calculation of the nozzle fixed case was established, and the calculated results were consistent with the tested facts. In addition, displacement conditions of the nozzle fixed case on composite case were obtained hardly, which was an engineering problem, so analysis and discussion was performed. The conclusion can provide a reference for exact design of the nozzle fixed case.