Abstract

An experimental investigation of fluidic jet vectoring using counter-flow method had been carried out in this current work. The experimental investigation included a set of experiments to examine the various effects of geometric variables on the thrust vectoring angle. These included Coanda surface radius $R/d = (0.58823, 1.17647, 1.75471)$, secondary gap height $h/d = (0.02941, 0.05882)$, and secondary mass flow ratio range of $0 \le m_2 / m_1$.

References


Index Terms

Computer Science

Applied Sciences

Keywords

Thrust Vectoring, Jet vectoring angle, Coanda effect, Counter-flow, mass flow ratio