Modeling of propeller blade

Abstract:

A propeller is a type of fan that transmits power by converting rotational motion into thrust. A pressure difference is produced between the forward and rear surfaces of the airfoil-shaped blade.

The present work is to generate the model of propeller and study propeller working and its terminology, simulation has been performed .The von misses stresses, resultant deformation, strain values are determined.

By using solid works done modeling and simulation on marine propeller .