Abstract

Chassis is a major component in a vehicle. In chassis different type of failures are occur due to static and dynamic loading condition. In this present work static and dynamic load characteristics are analyzed using FE models from this work. It is found that identifying location of high stress area, analyzing vibration, natural frequency and mode shape by using finite element method. Modal updating of car chassis model will be done by adjusting the selective properties such as mass density and Poisson’s ratio. Predicted natural frequency and mode shape will be finding by using ansys software. The cad geometry of chassis is generated in solid works and model analysis is done in ansys workbench.