Energy Balance Study using Proprietary Simulation Software

Abstract: The current work is based on an energy balance study using propriety simulation software. The simulation software was based on MATLAB and Simulink. Energy balance study was important in improving the accuracy of the simulation software. An attempt was made to reduce the energy balance error in AMT (Automated Manual Transmission) and Hybrid Electric Vehicle. By modifying the Simulink logic, significant improvements were achieved.

Keywords: MATLAB, Simulink, AMT, Hybrid Electric Vehicle.