

Artur Rojek: Simulation of Performance Parameters of the Electric Traction Power System

The article concerns the simulation of the performance parameters of the railway traction power system. It presents the requirements for simulation programs, the method of mapping the parameters of the power supply system and traction network, the parameters of the lines and the vehicles moving on them. It describes how simulations are performed, the values calculated and characterises the output data obtained. Finally, it presents examples of results obtained from simulations and the application of such calculations.

Keywords: electric traction power supply system, mean useful voltage, supply system performance