

Energy Simulation by Use of a Speed Profile Generator for an Energy Estimation

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We have developed energy simulators for the purpose of estimating the effect of energy saving technologies. The simulators have the function of the speed profile generator, which adjusts the speed profile to given running time so as to be suitable for the energy estimation. And we have measured energy consumption at substations for the verification. Measured energy consumption fluctuates according to the outside temperature. This paper shows the verification by the use of the distribution figure of energy consumption according to the outside temperature.