MATHEMATICAL MODEL OF OPTIMAL LONGTERM FUNCTIONING OF THE ENERGY SYSTEM

J. Giorgobiani, M. Nachkebia, A. Toronjadze

N. Muskhelishvili Institute of Computational Mathematics
of Academy of Sciences of Georgia

Abstract

A mathematical model of optimal longterm functioning of the energy system of the region is suggested. The model is of a mathematical programming type. The minimum of total annual expenditures or the minimum of the weighted sum of the shortages of the electric energy is taken as a criterion of optimum.