

CONCERNING DEFICIT RESOURCE EQUILIBRIUM MODEL

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The deficit resource equilibrium model represents a problem about computing a cross point of two many-valued maps. One of them is a gradient (subgradient) of sensitivity function (optimal value function) for convex programming problem. Another is the gradient (subgradient) of cost function of resources. Actually the speech goes about the coordination of marginal prices (Lagrange multipliers) for convex programming problem, which simulates activity of production enterprise, and market prices of resources, which needs to realize this production. Method to solve this model is offered. It is reduced to evaluation a saddle point of a convex-concave function. The convergence of this approach is proved.