

Fikrat A. ALIEV, Agaddin A. NIFTIEV,  
Hikmat S. AKHUNDOV, Vusal F. ALIEV

## MATHEMATICAL SIMULATION AND OPTIMAL DISTRIBUTION OF RESOURCES IN INDUSTRIAL UNITS

### Abstract

*A mathematical model of optimal distribution of resources between the subdivisions of the object is studied. The problem is reduced to the integral, mathematical programming.*

*The profitability is taken as a quality criterion. To avoid the integrality the method of penalty functions are used. By solving the obtained nonlinear problem a conditional gradient method is used. The obtained result is analyzed on an example of repair of oil wells.*