The New UBRO Version
-Leaching Simulation Code for Asymmetrical Caverns
-Results of Applying to a Mogilno Gas Cavern

by

Andrzej S. Kunstman, Kazimierz M. Urbańczyk
CHEMKOP

Abstract

The UBRO-model for computer simulation of leaching process for the axisymmetrical caverns, has been used in CHEMKOP for several years. Two years ago UBRO-code was distributed by SMRI among its members. In the paper, the new, free of axial symmetry assumption, version of the model - UBROASYM is presented. The cavern is divided into 8 sectors (45° each) with different leaching properties of rock salt. The leaching coefficient differentiation is provided by special KORLOGAS-code, each time after comparison of new sonar survey results with model prediction. One of the Mogilno caverns will be discussed as an example of comparison UBROASYM use results against sonar surveys.