

Invdir: Comparison of Invdir Results with Field Data

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Abstract

Solution mining simulation models have been used for many years and numerical simulation has become an indispensable tool for optimal leaching schedule design.

Useful information can be obtained by comparison of the results of simulations with field data. The capabilities as well as the limitations of the model can then be assessed. Once experience with the program has been gained, the model can be used with greater confidence.

Recently the program INVDIR, developed by Gaz de France, was adapted for use on personal computers. INVDIR is a flexible program that provides means to simulate most leaching strategies for single wells in homogeneous rock salt. Experience shows that most situations can be simulated accurately with INVDIR.

In this paper, a user's experience with INVDIR is presented. Field data are used for evaluation of the capabilities of the program and the accuracy of the model. Some suggestions for improvement are made and a few subroutines that were added to the program, are mentioned. Since the theory used in INVDIR and the program itself were subject of the paper by Mr. Chaudan (Gaz de France), these are not treated in this paper.