

DISCHARGE-MECHANICAL METHOD OF ROCK DESTRUCTION

*MIKHAIL Y. ZHURKOV, VASILY M. MURATOV, SERGEY Y. DATSKEVICH
AND VLADISLAV F. VAZHOV*

*National Research Tomsk Polytechnic University, Russia
zhurkov@tpu.ru*

On the basis of mechanical and electric-pulse destruction methods discharge-mechanical method of solid rocks destruction is developed. Early studies of this method for deep drilling are executed. It is shown that owing to destruction by discharges of a surface of rock destruction productivity in comparison with traditional mechanical methods significantly increases.

Keywords: *Electric-pulse method, Discharge, Breakdown, Rock, Destruction, Deep drilling.*