

Abstract

Goal of this paper is defining Hoek – Brown failure criterion for samples of granodiorite from possible site of Czech deep geological repository – Brezovy potok. Paper includes triaxial testing, defining HB failure criterion for intact rock, rock massif and evaluation of available data. Other methods for defining parameters of HB failure criterion (eg. GSI and m_i) are also explored. Comparisons for all parameters and data are given. Paper is concluded with simple numerical model, using results from laboratory testing and literature review.