Empirical methods should be restricted to situations similar to the circumstances used for their development. The Stability Graph Method, first proposed by Mathews et al. (1981) and later modified by Potvin (1988), was based on data from Canadian and Australian mines. Therefore, there is no evidence of their use in the Brazilian geomechanical context. The Stability Graph Method is intended to design a stable open stope in mines using the Sublevel Stoping Mining method. The present study investigates the applicability of the methods in Sublevel Stoping Brazilian mines. This is a contribution to the validation of the use of the methods in the Brazilian geomechanical context.

Keywords
Stability graph, overbreak, open stope.