

A method for modeling blast destruction of rocks includes formation of sand-cement model, formation of blast holes in it, charging those, commutation of blast network and ignition. Sand-cement mix is filled to the steel cylindrical form with compression ring and one free surface that simulates stressed state of rock massif. In the center of the model elements of cut are formed, with placement of cylindrical inserts, beginning from compensation cavity, and round the compensation cavity in circle with radius $R = (0.3 - 0.35)d_{\text{mod.}}$ (where R - radius of the circle; $d_{\text{mod.}}$ - diameter of the model) in the tops of inscribed square blast holes are formed. After coming to 30 % of strength of the model cylindrical inserts are taken out from it, with keeping to maximal strength. Then to prepared cavities explosive substance is placed, with installation of live cartridges, the mouth of the cavity is tightened with filling, explosive network is commutated, with blasting with retardation to compensation cavity. Quality of breakage of destroyed with explosion part of the model simulating the stressed rock massif is evaluated by the diameter of the average lump according to given dependence.