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The blast effect of explosive charge in the environment is considered. It is established that detonation products pressure and pressure in the pressure-shock front in rock mass is defined by the parameters of stress wave. Values of pressure in the pressure-shock front at destruction of rock mass by explosion depending on types of used industrial explosives and rock are received.

Key words: rock, explosion, pressure, destruction, shock wave.

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$$P = \text{BP} D U_{\max}, \quad (1)$$

(B -)

; D - ; U_{max} -

$$U_{\max} = \frac{D}{k+1}, \quad (2)$$

k -

$$k = 3, \quad (1)$$

(2)

$$P = \frac{1}{4} \text{BP} D^2. \quad (3)$$

$$P = \frac{1}{8} \text{BP} D^2. \quad (4)$$

(3)

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79/21	900	3600	2916,0
-70	1250	5000	7812,5
4- 10	1020	3200	2611,2
5- 18	960	3800	3465,6
1/8	800	3500	2450,0
6	1060	2500	1656,3

[6], (3) (4)

$$P = D U, \tag{5}$$

– ; D_c – ; U –

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$$P = \frac{2}{1 + \frac{BP D}{\rho D}}. \tag{6}$$

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-	2870	5160
	3470	5410
-	3310	5470
-	3140	4750
	2840	5070
,	2750	5470
	2900	5725
	2890	4760
	3350	3610
	2690	4170

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	79/21	-70	4- 10	5- 18	1/8	6
-	4784,25	10988,04	4280,66	5562,76	4121,11	2809,58
	4973,6	11721,68	4448,38	5805,02	4264,58	2903,16
-	4946,56	11617,10	4425,76	5771,19	4242,42	2890,49
-	4792,11	11011,28	4284,17	5571,70	4124,58	2811,97
	4760,82	10896,09	4256,23	5531,68	4103,85	2797,72
,	4800,00	11042,4	4291,21	5580,68	4131,53	2816,75
	4880,33	11355,38	4366,56	5681,31	4191,62	2855,60
	4718,45	10746,22	4221,83	5479,21	4069,77	2776,61
	4599,37	10299,93	4112,12	5323,50	3977,27	2717,39
	4524,44	10035,32	4045,24	5231,09	3920,00	2680,02

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