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The objective of the work is the process of hard fractions crushing in liquid mixture by a series of electric impulses. Purpose of the work is to construct an optimum location of electrodes in a work area to determine maximal area of coverage by impulsive influence.

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$D -$
 $(x_i, y_i) -$
 $(x, y) \in D -$

$D; x_i = x_j, y_i = y_j \quad \forall i = j;$
 $;$ $\Delta x_i = x - x_i, \Delta y_i = y - y_i.$
 $\Omega \subset D,$

$$\Omega : \{(x, y) \mid M_1 \geq (x, y) \geq M_2\} \quad M_{1,2} = \text{const} \quad (1)$$

(1),

$S(\Omega) -$

$$\Omega = \Omega (D, (x_i, y_i), M_1, M_2) \quad S(\Omega) \rightarrow \max.$$

$$\frac{K}{r^2}, \quad < 1 -$$

0 -

; k -

ρ_0 , μ_i , $\forall i, j \rho((x_i, y_i), (x_j, y_j)) >$
 S , D , R , d_1 , d_2 , $\theta < 1$, $d_1, d_2 -$
 $1 \div 2$

	$S(\Omega) \% S(D)$
	13
	40