

8. . . . . , 1978. – 111 .
9. . . . . , 1971. – 192 .
- ∴ , 1985. – 318 .

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The design drum-type unit is described. It is the machine for increase of activity of building mixes in manufactures of building materials and products. The analytical model of change of pressure in a material under shaky is described. The model is based on compression dependencies. These dependencies of pressure in a mix from density of a mix. Adequacy of model is confirmed with experiments with the special adaptation. The model allows to choose the rational sizes and power characteristics of the activator. With application of model influence of forces of pressing is analyzed is shaky, properties of mixes, the sizes is shaky also sizes of a layer of a material under shaky on pressure of processing.

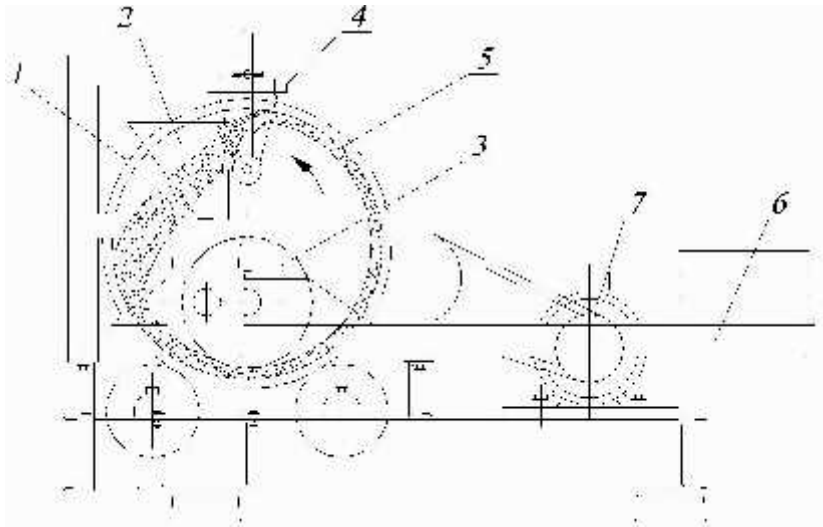
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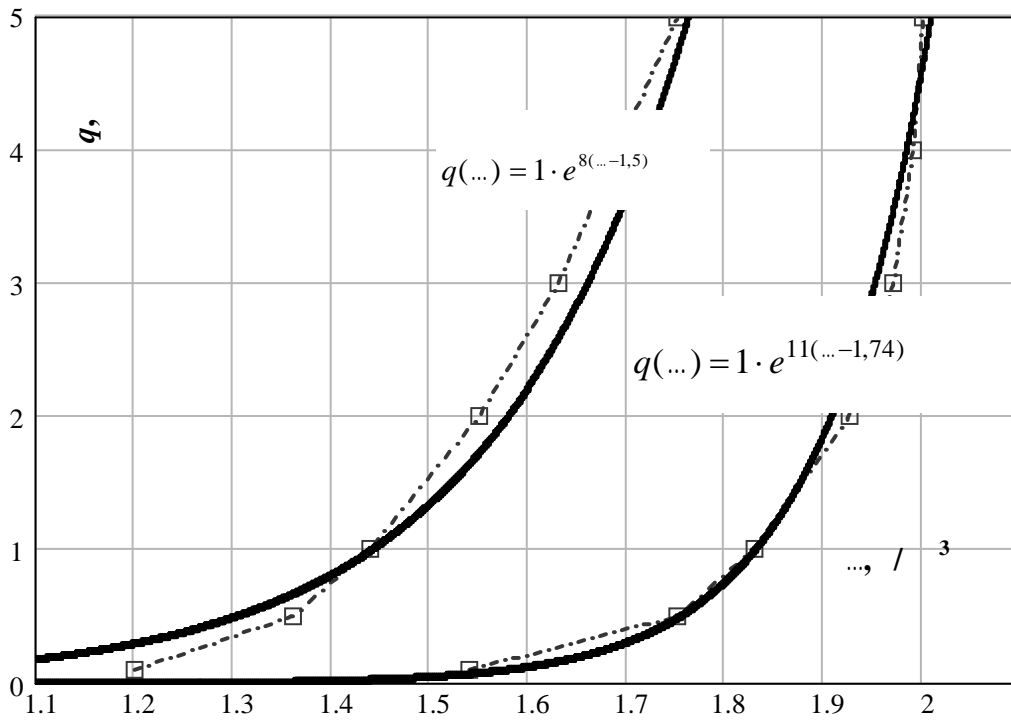
$$q_i = q_0 \cdot e^{b(\dots_i - \dots_0)}$$

$q_i \dots_i -$

$; q_0, \dots_0 -$

$; b-$

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;  $R, r$  –

( . . . 3);  $H, h, \Delta h$  –

; ,  $l$  –

; –

,

; , , –

$l$  .

$$k_y = \frac{H}{h} = \frac{H}{H - \Delta h} = \frac{h + \Delta h}{h} = \frac{1}{1 - \Delta h/h} = 1 + \frac{\Delta h}{h}$$

$$k_r = r/R; k_h = h/R$$

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–  $q_0, b, \dots, \dots$  ;

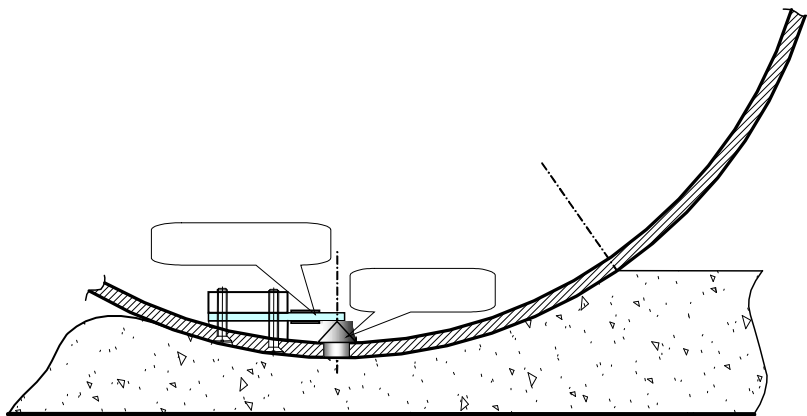
–  $R, r, h$ ;

$q_{max}$

;

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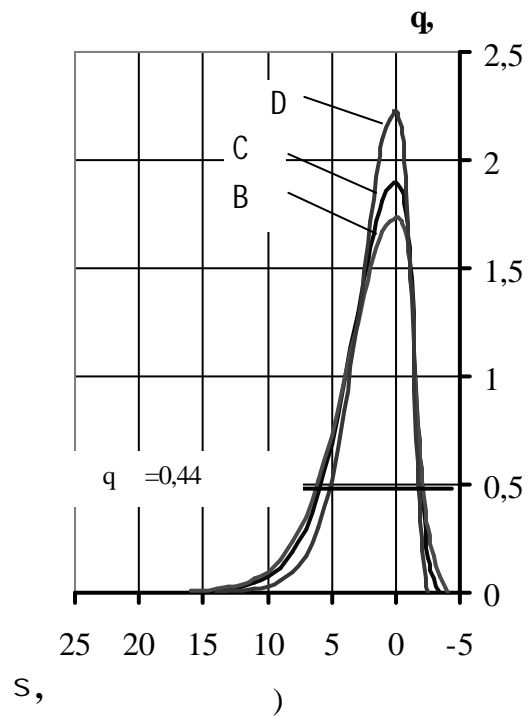
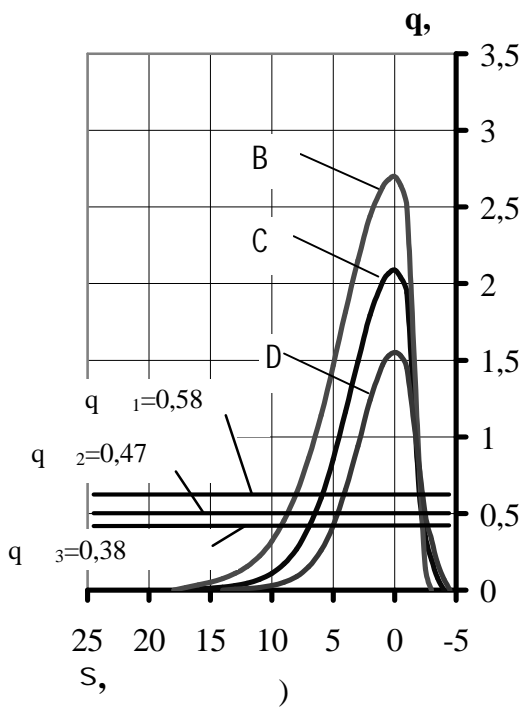
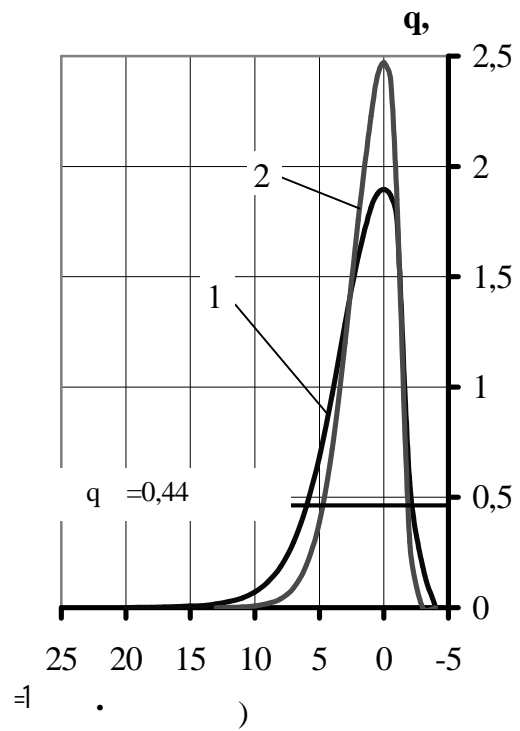
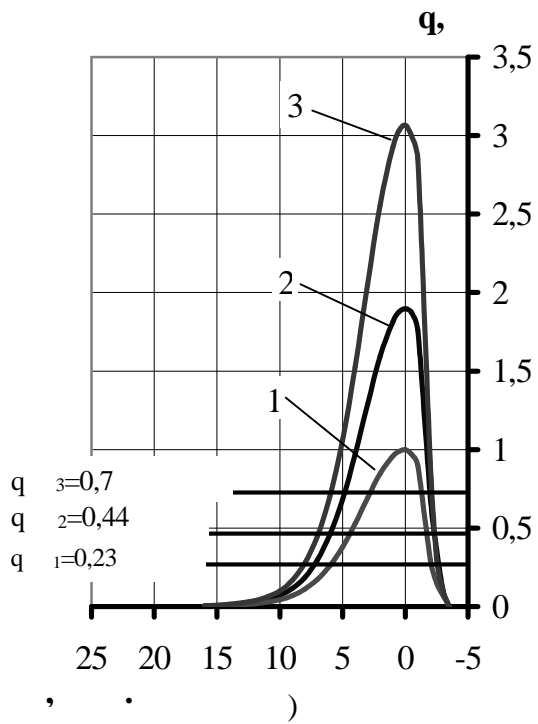
( / ) - .

$r$ :  $q$  ,

$$q = \frac{P_{\Sigma}}{B \cdot r} .$$

$q_{max}$  .  $q$

$$k_q = \frac{q}{q_{max}} = 0,2 - 0,3 .$$



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 )  
 ) (1) (2)  
 ) (1, 2, 3 –  
 ) 280  
 , (0,1); )  
 (1, 2, 3 –

(1, 2, 3 – 3; 6,5; 10 ) ;  
 , 6,5 ;  
 115, 140 165 )  
 18, 15 10 )

, ,

$$q_{max}$$

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$$q_{max}$$

$$1 \div 3$$

,

,

:

$$P_{\Sigma} = q_{max} \cdot B \cdot r \cdot k_q.$$

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.. - 2000010381; . 24.01.2000; . 16.12.2002:-6 . **4.**

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