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*Rational parameters of digging to improve the uniformity of coal quality in the process of development the complex-structural coal deposits by bucket wheel excavators in conjunction with the railway transport are substantiated.*

*Keywords: coal quality, stabilization, model, digging parameters.*

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[2].

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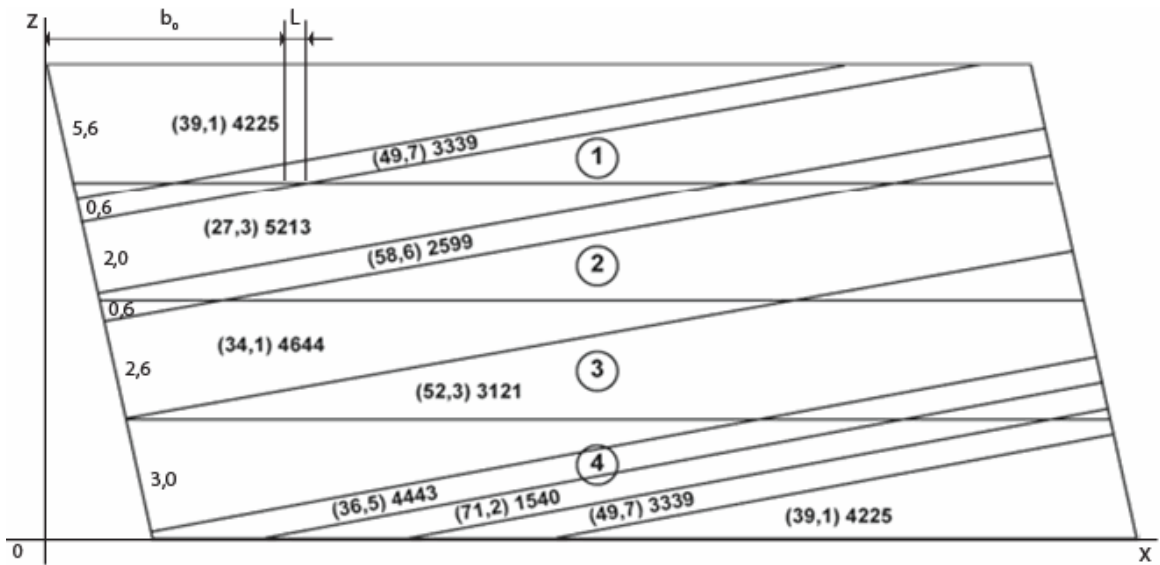
( . 1):

$$P_i = t \sum_{j=1}^n S_j \gamma_j \tag{1}$$

$$A_i^d = \frac{\sum_{j=1}^n S_j \gamma_j A_i^d}{\sum_{j=1}^n S_j \gamma_j}, \tag{2}$$

$i-$  , ;  $S_j-$  XOZ  
 $YOY($   $j-$  ) , /  $^3;$   $d-$   $j-$   
 ; 1, 2, 3, 4 - ; 5, 6 - ; (39,1) 4225 -  
 ;  $b_0-$  .

(1250...5000  $^3/$  ) ,



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 ( , , ), - ,  
 ( ) .  
 60 70° -  
 1250...5000 3/  
 10-30 % ,  
 .  
 60° ( -5000) 70° (  
 -1250)  
 -5000, ( )-2000  
 5...7 % ,  
 -1250  
 3...5 % .  
 -1250 (3)  
 -5000 (I) -  
 ( . 2).  
 ( )-2000  
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40 50°

50° -

$l,$

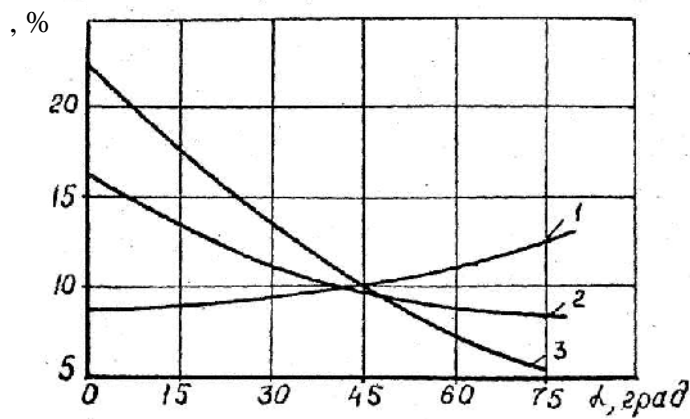
-1250  
-5000 ( . 3).

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40...50°),

1250 <sup>3/</sup> .

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-5000; 2 -

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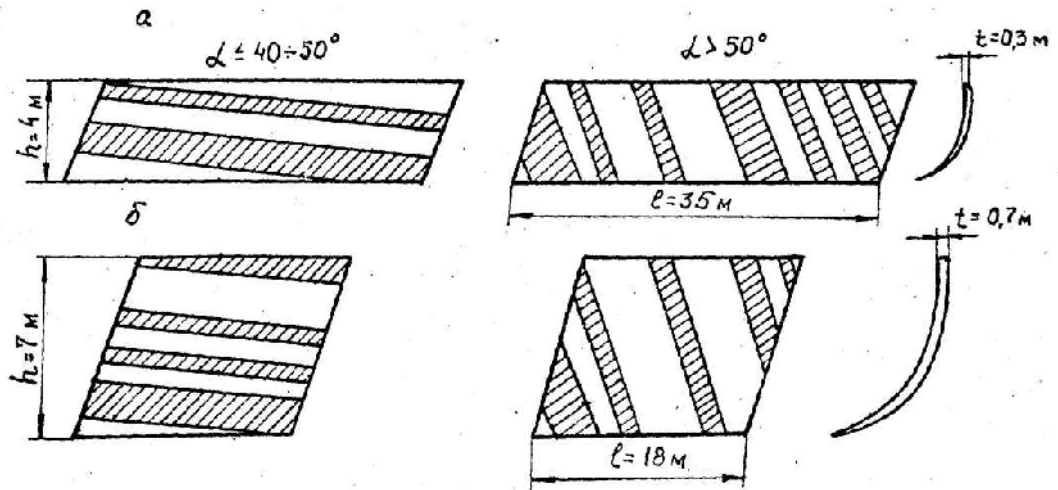
-1250

( )-2000

-5000

3...5 %

-1250

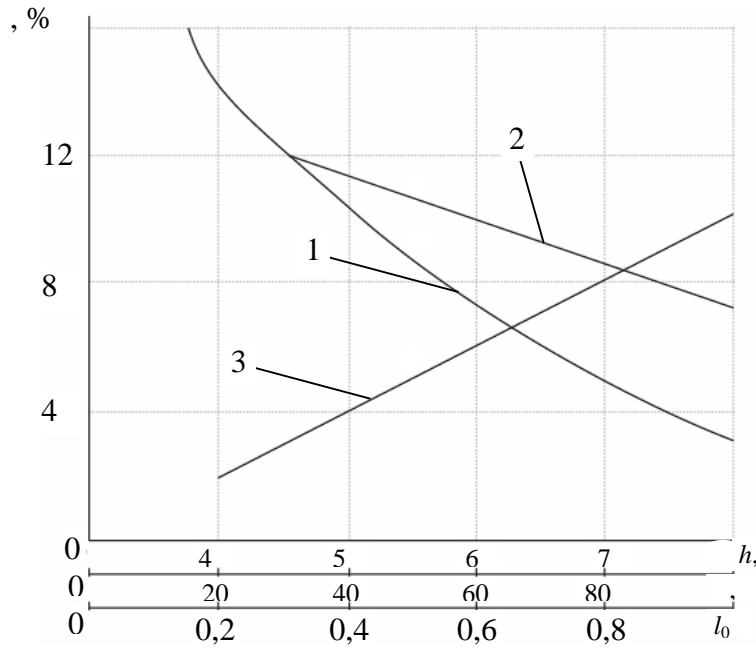


. 3.

-1250; -

-5000

$h_c = (0,5 \dots 0,7) d_p$ ,  $d_p$  -



. 4.

(2)

(3)

(1),

