



18576-85

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18576-85

Non-destructive testing. Railway rails.
Ultrasonic control methods

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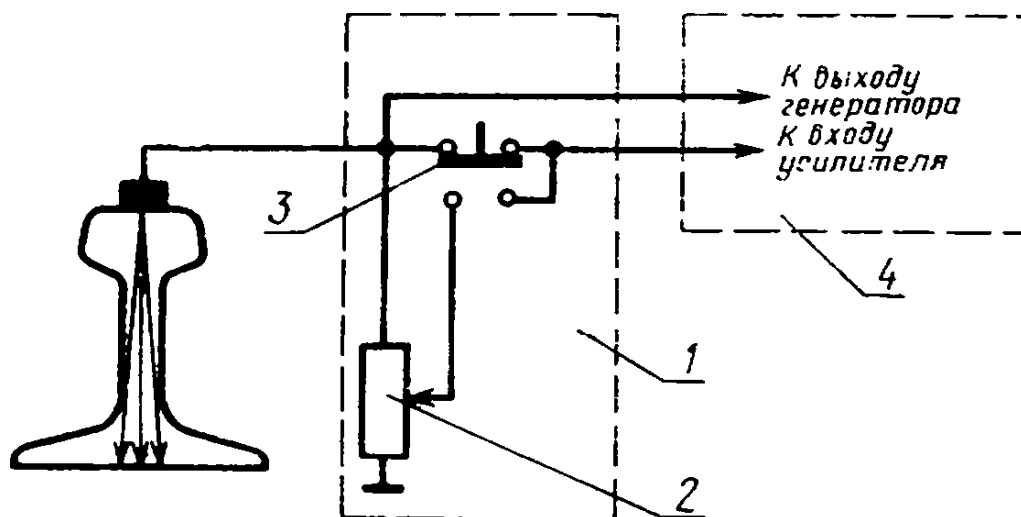
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1.2.

0,1 4,0
1.2.1.

(. 1).



1— ; 2— ; 3— ;
4— . 1

0,1 0,6

1.2.2. 0,1 2,0
2

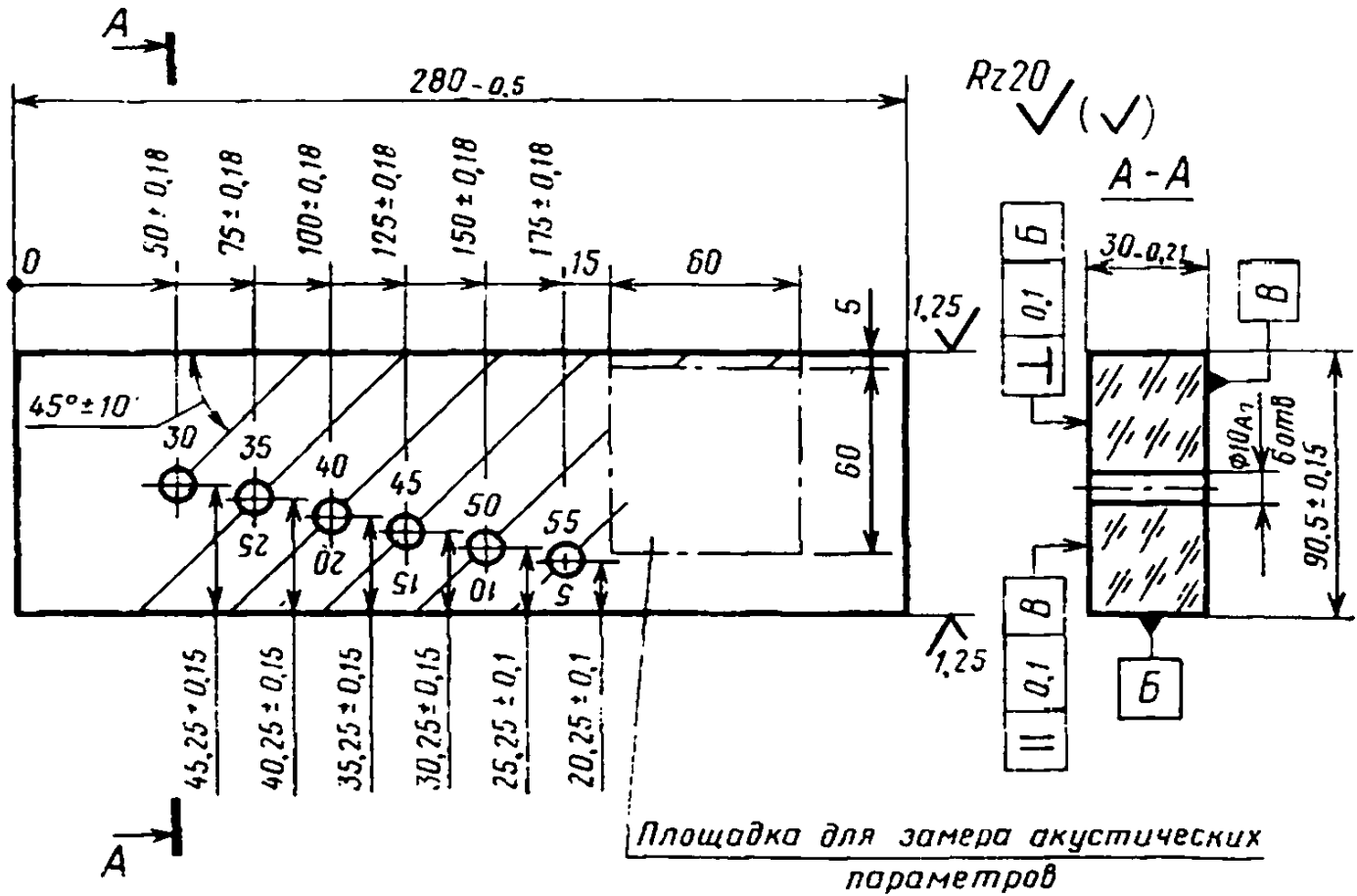
-1 -1 14782—76

1.3.
0,16 — 26266—84.

1.4.

-1, -2 -IP -3 (. 2—3)
14782—76

1,5



Черт. 2

1.4.1.

-IP (. 2)

-IP

17622—72.

 $(20 \pm 5)^\circ \text{C}$

(2.5 ± 0.2)
 (2670 ± 133) / .

 (2.5 ± 0.2) $(20 \pm 5)^\circ \text{C}$ ± 2

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1050—74.
(20±5) °C
(5900±118) / .
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40° 70° 1°
Z==44tga.
6 A^
· 65°
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-IP, - , -1, -2
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2.8.

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-2 .

2.9.

1,5

1,5

2.10.

2.11.

2.12.

0,1.

3.

3.

3.1.

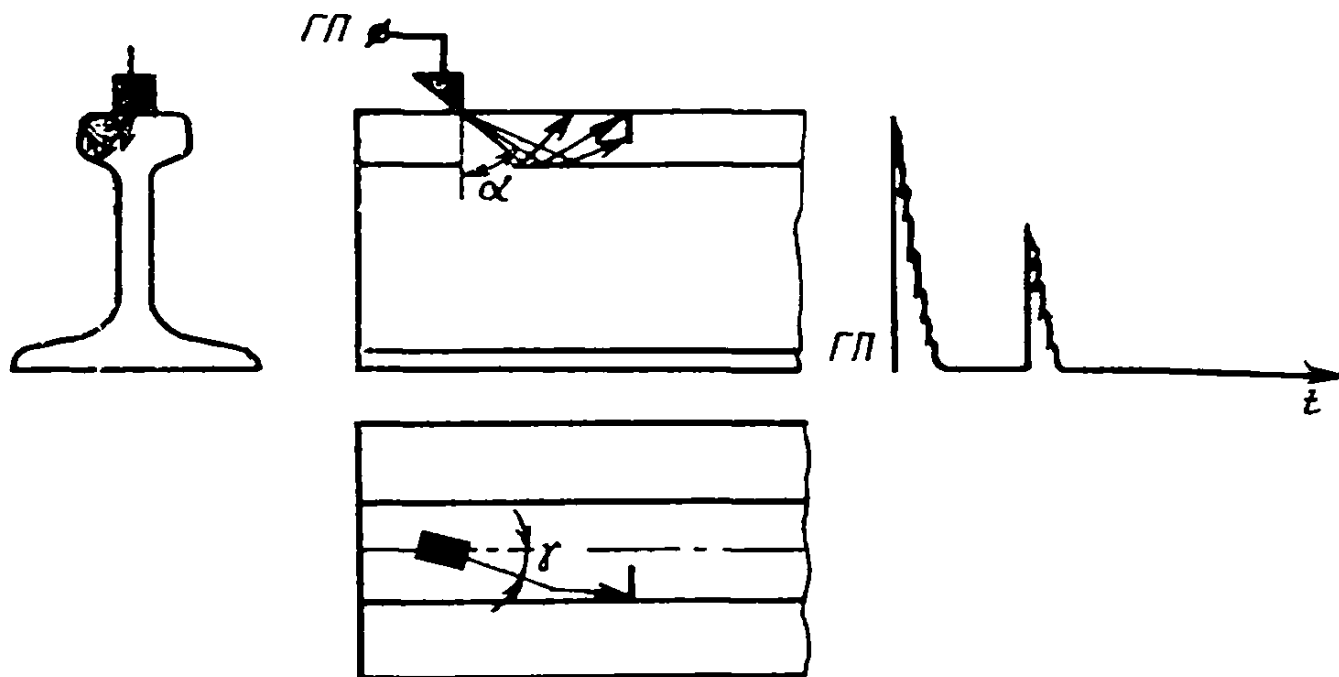
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(. 5)

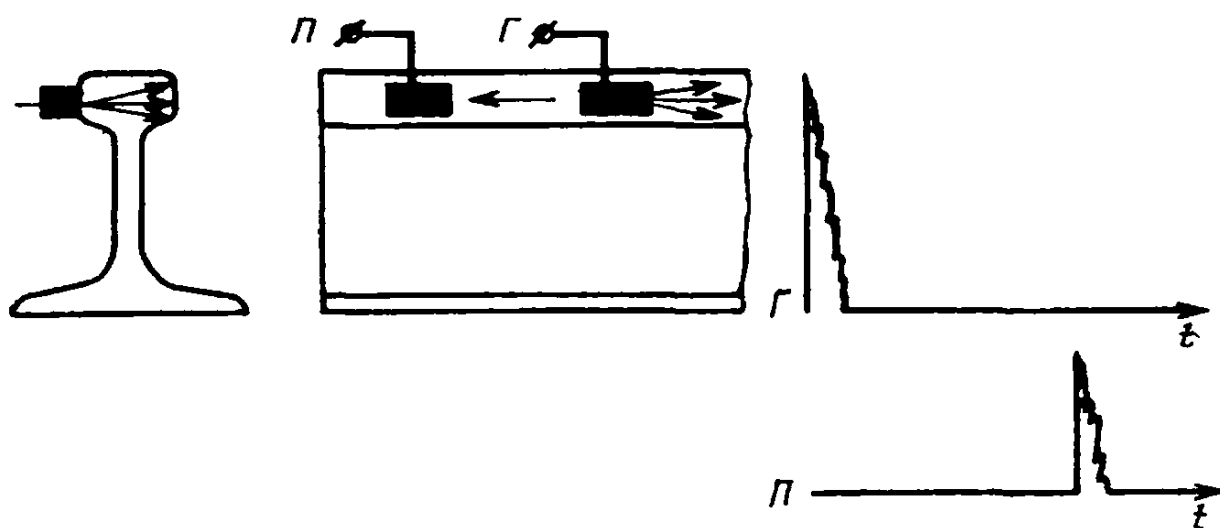
(. 6, 7)

(. 8—11)

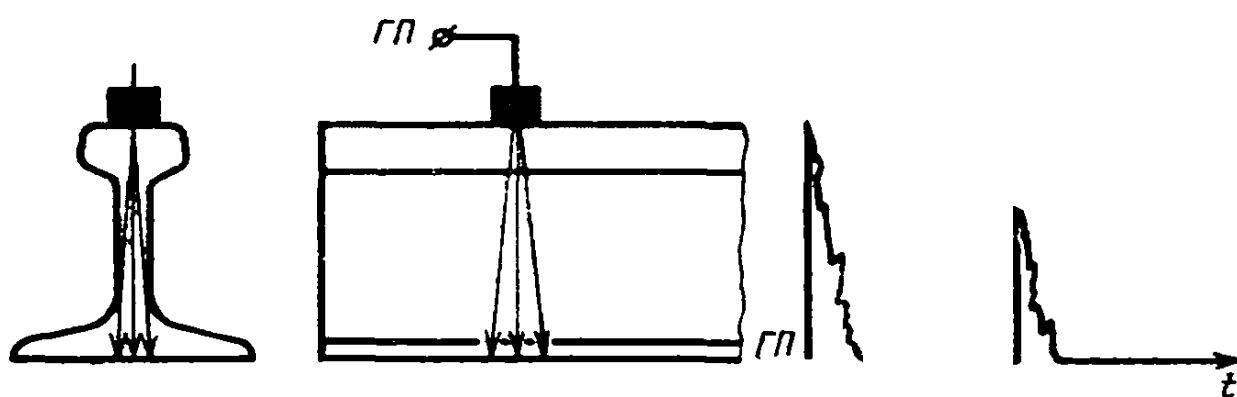
(. 12)



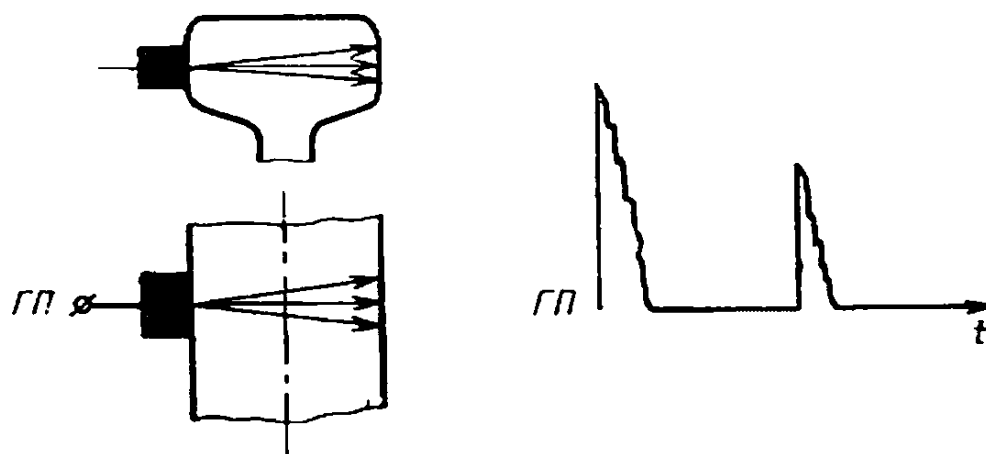
Черт. 4



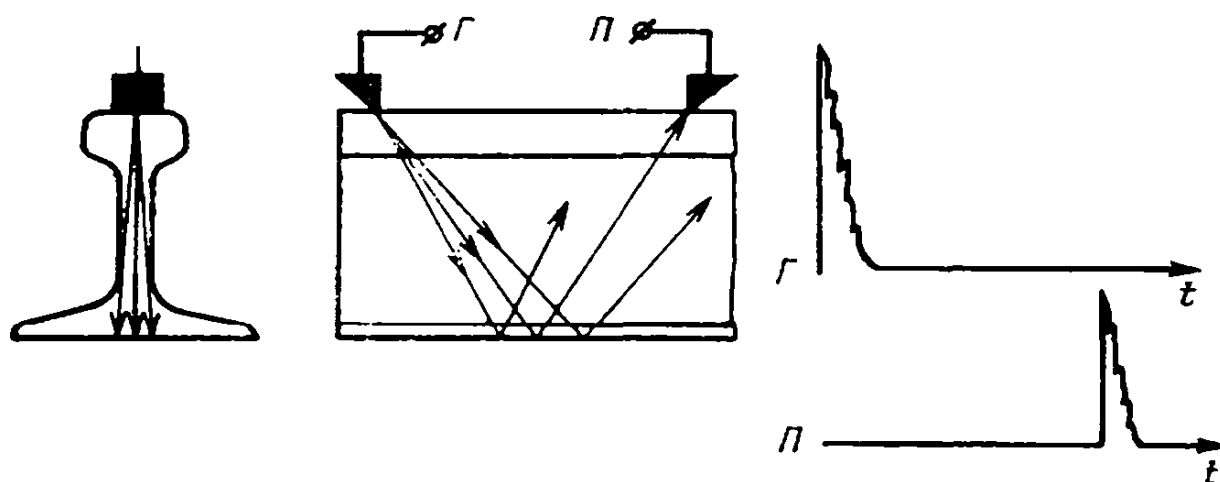
. 5



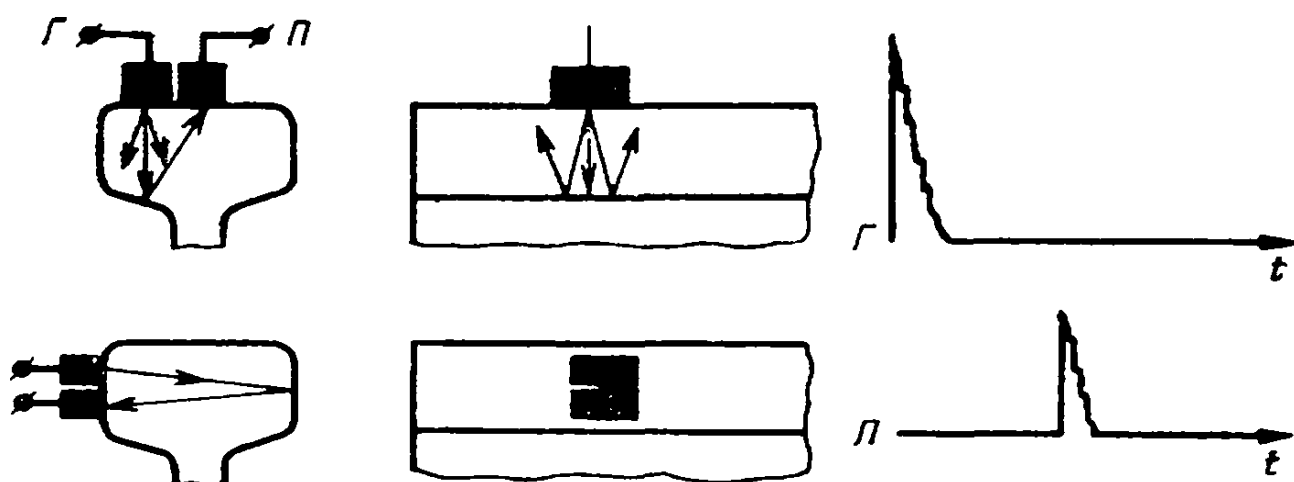
. 6



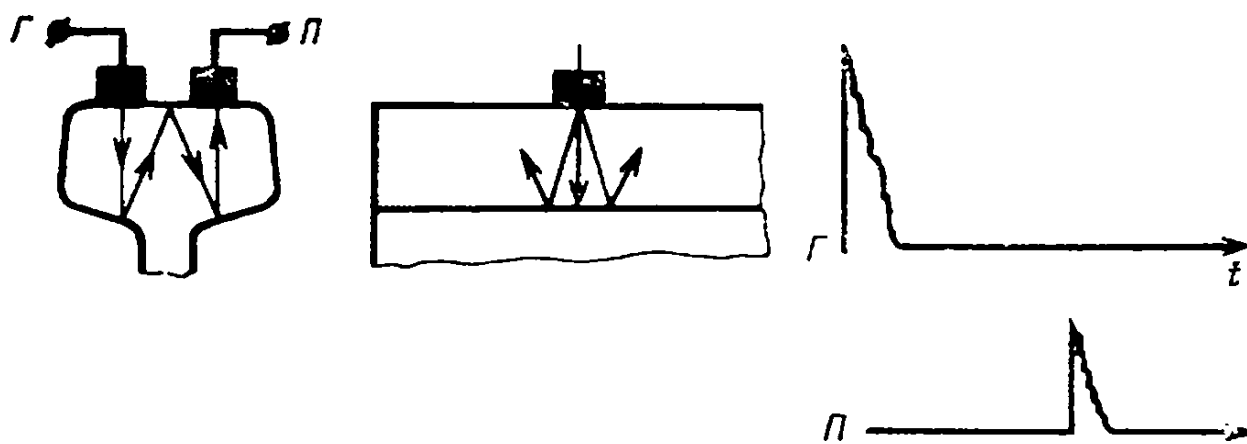
. 7



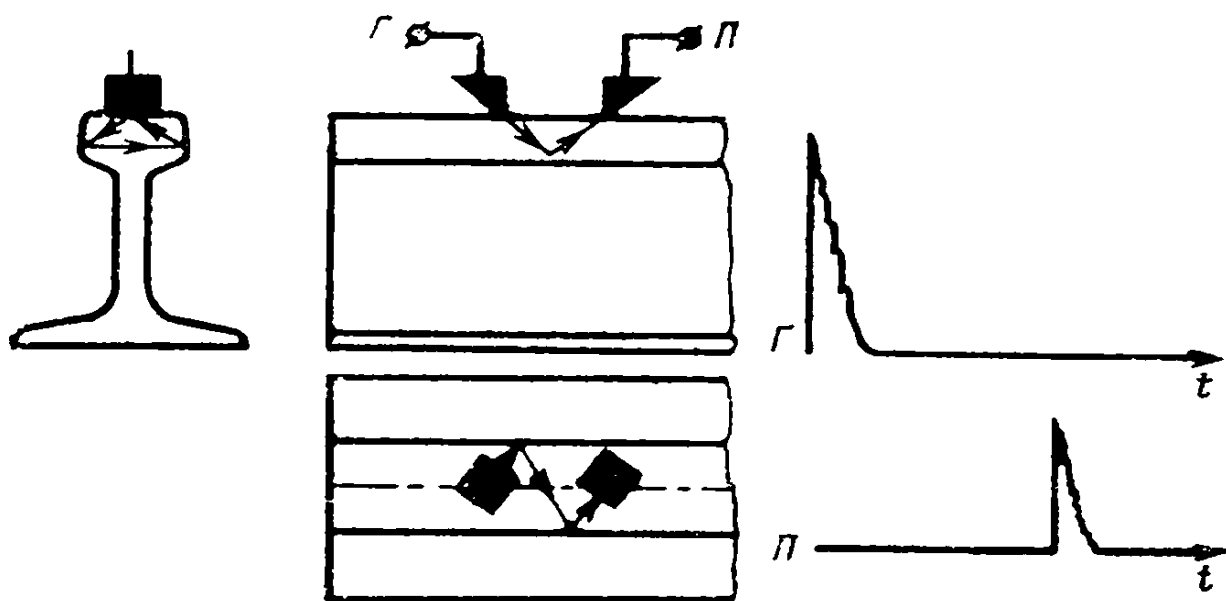
. 8



. 9



. 10



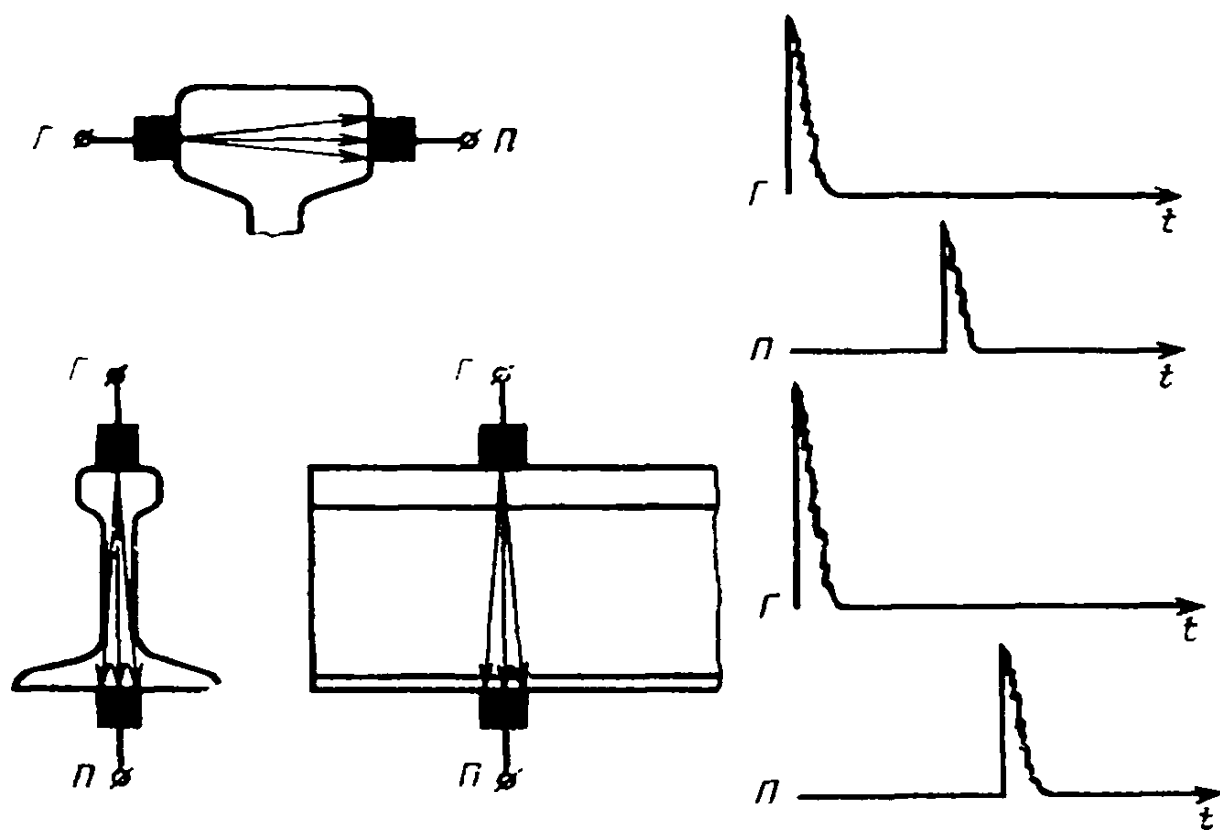
Черт. 11

(. 13, 14)

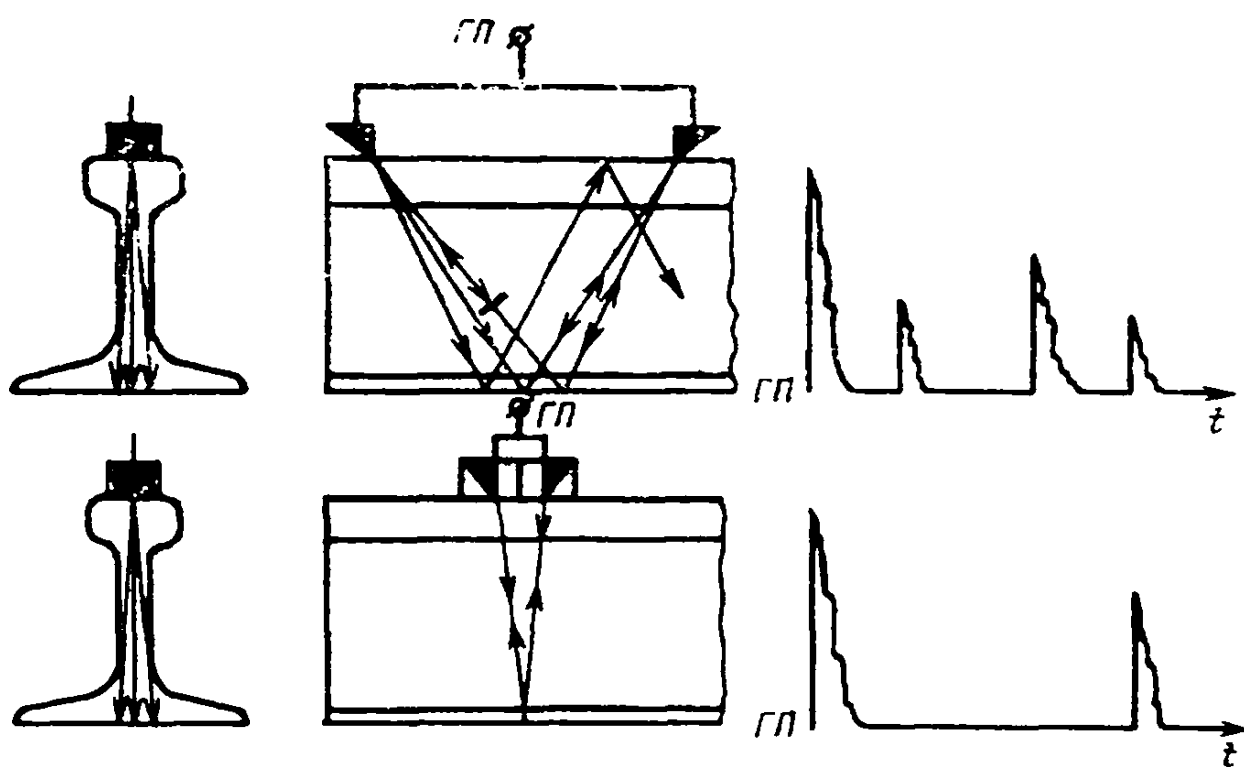
3.2.

1,5

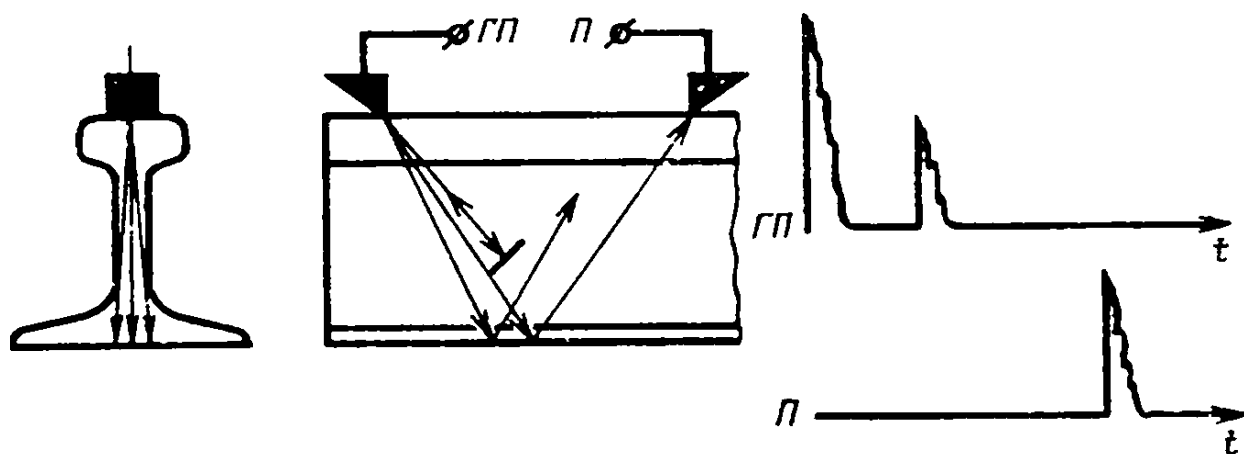
(. 4).



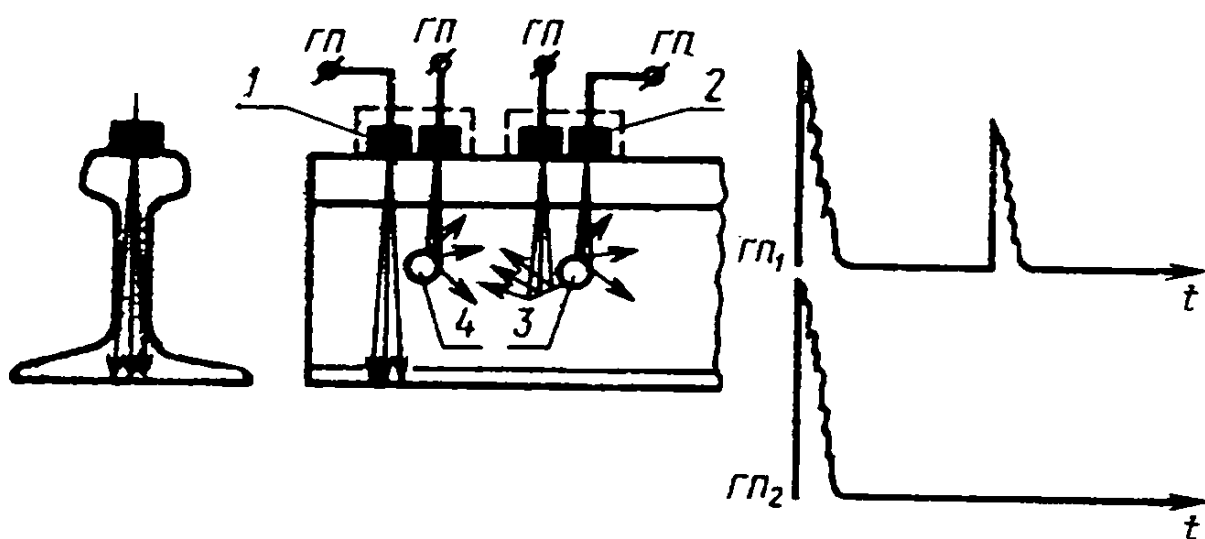
. 12



. 13



Черт. 14



1, 2— ; 3— ; 4—

. 15

1,5

. 5.

(. 7, 9, 10, 11) (. 12)

3.3.

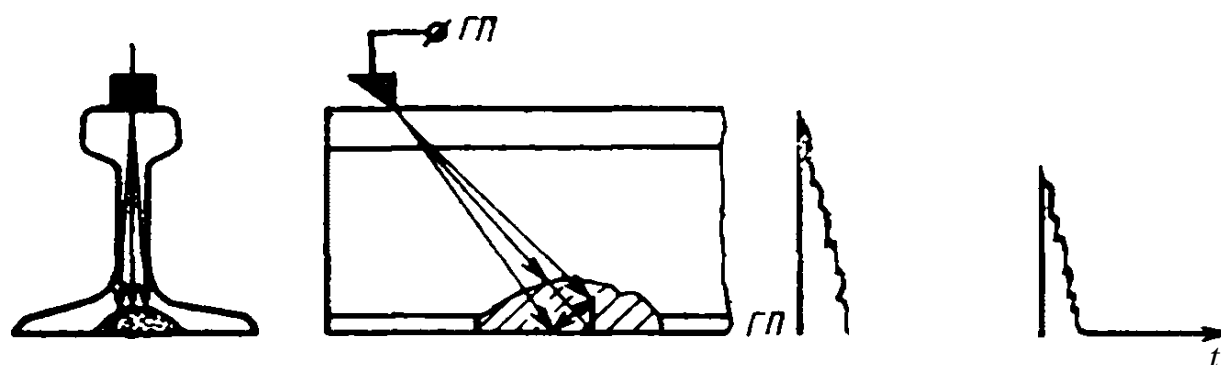
(. 6)

(. 8)

(. 12).

3.4. (. 15).

(. 16).
(45 ± 2) °.



Черт. 16

3.5.

14782—76.

50°—70°.

3.6.

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3.7.

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4.1.

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5.1.

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12.1.003—83,	* 12.2.003—74,	12.3.002—75,	-
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5.2.			-
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-IP (-1)

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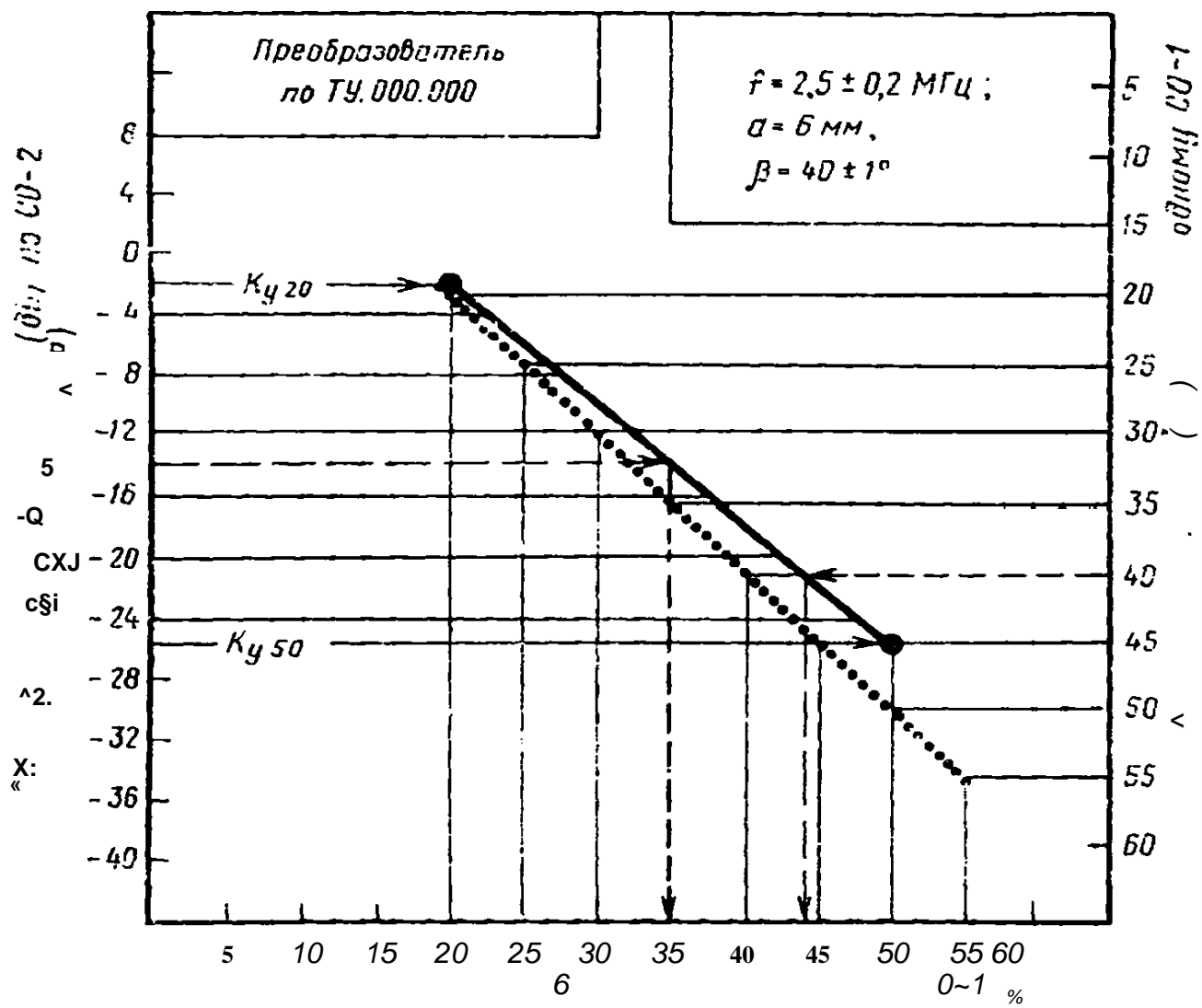
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-1
(AJ¹) -2 (-2 ,
-IP (20±5) °C == (40±1)° 10 (2,5±0,2) 0=(5 ±)° ,
-1 .
-IP, . 1.4.1
N_{Xi} 20 50 10
-2 (-2 , -) : 6 ? 44
,» ^ N ,
— 6 , -2 (-2 , -) -
, N_{XI} — , i , .
(.).
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2,5
=6 , 0 = 40° ,
-IP, , -
- (.).
1. 40 .
45 CO-J1.P, ,
2. 14 .
35 -IP, .

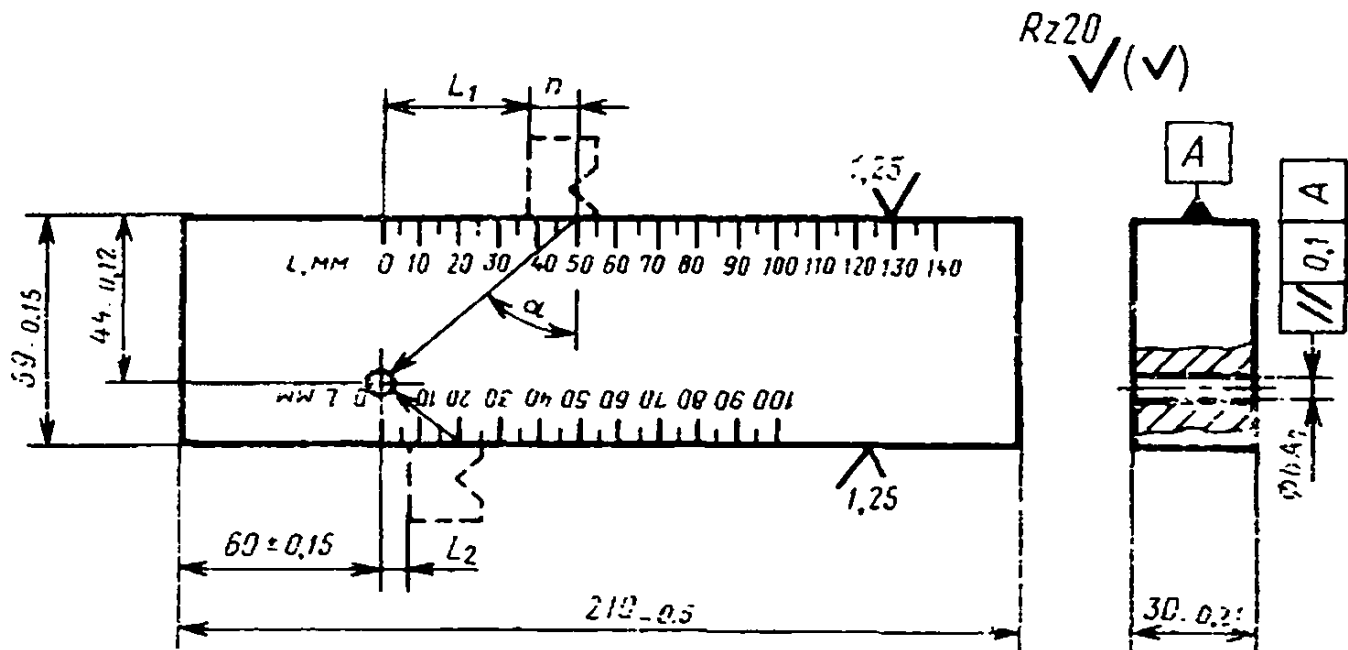


1. :
0,1 I S; $=2 \arctg(0,5S/Z)$; -
2. .
 $\pm 0,1$. -
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3. , . -
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 $\pm 0,1$.
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$$\frac{4\operatorname{tg}(\leq p/2)Ax}{\sqrt{1+78ilL_0^2}},$$
;
$$\frac{\pm \operatorname{tg} W_{\pm}^2)^{*} \gg TM^*}{1+784/Z.2},$$

$$\frac{t}{/ = 3260 \cdot 10^3}, \gg / ;$$

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Z-o — - , ;
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0-2



1.

76

24182—80.

2.

65

24182—80.

±0,1
6

$$n=0,52L_1-1,52L_2.$$

$$tga=0,034(L_1-L_2),$$

Li, L2 —

6

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24 07.85 1,5
30000 5

1,5

1.41

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3.

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