

681.2

. 8 (0619) 42-12-65

-1 - .

(I) [1].

[2].

2681,

I

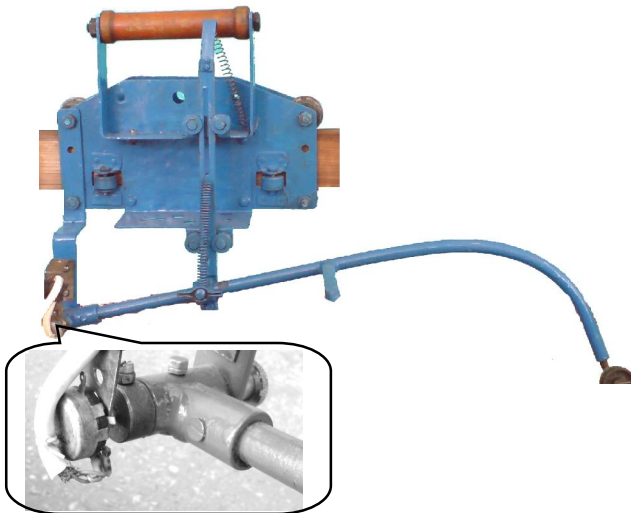
(

)(.1).

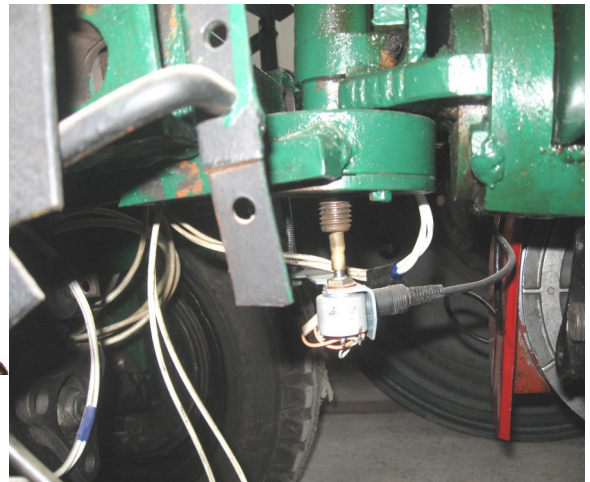


.1.

(.2 [3])
(.3).

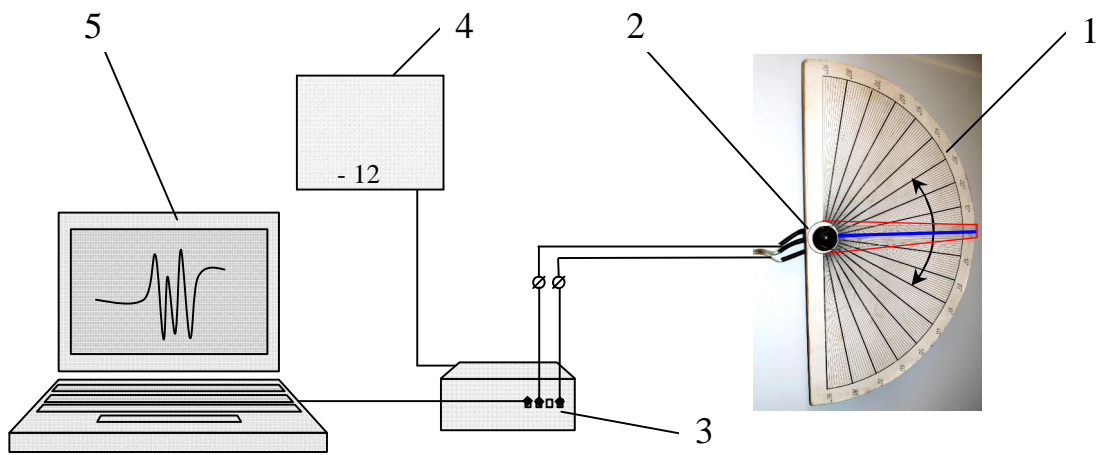


.2.



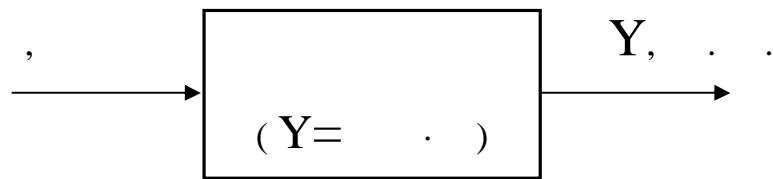
.3.

.
 .
 .
 (. 4).
 1 R. 2 (. . 4),
 U (I R.
) 3 (I) 5.
 -1 - , .



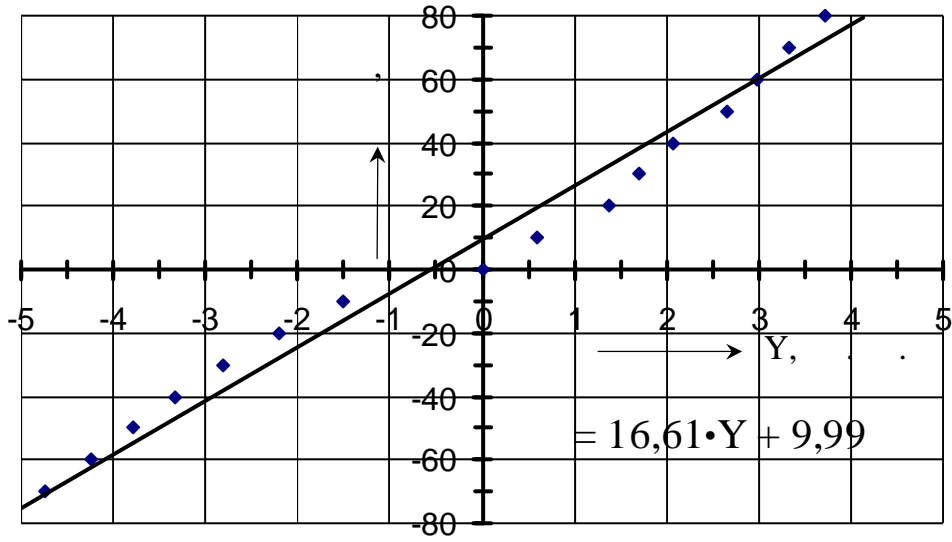
. 4.
 1 - ; 2 - ; 3 -
 ; 4 - ; 5 - .

Power Graph 2.1,



- (), ; Y -
 ; -

(.5).



.5.

(Δ):

$$\Delta = \frac{\dots}{\dots} \cdot 100,$$

;

;

;

.

= 2,5.

$$\Delta\gamma = \sqrt{\Delta^2 + \Delta^2},$$

$$\Delta = \dots \cdot (\gamma - \gamma_n) / 100,$$

$$\Delta = t_s \cdot S_x,$$

$t_s -$;

$S -$;

$$S_x = \sqrt{\frac{(\bar{\gamma} - \gamma_n)^2}{N(N-1)}},$$

$N -$

$t_s -$

Microsoft Office Excel

$=0,05$

N

$$\Delta = 2,5 \cdot (90 + 90) / 100 = 4,5$$

$$\Delta = 0,71 \cdot 2,57 = 1,82 \quad (\alpha = 0,05).$$

$$\Delta\gamma = \sqrt{4,5^2 + 1,82^2} = 4,85$$

($\alpha = 0,05$).

2,5.

4,85

1.

2.

1:

2002. - 54

3.

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6. -

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ESTIMATION OF ACCURACY MEASURING INFORMATION SYSTEMS ON THE BASIS OF GAUGES RESISTANCE AND THE RHEOSTATIC PARAMETRICAL

V. Kuvachov, A. Gopka

Summary

Work estimations of accuracy of measuring information systems on the basis of gauges of resistance and rheostatic parametrical gauges are devoted. The class of accuracy and a full error of direct measurements of the developed system of angular movings on the basis of the gauge of resistance of mark are defined.