

. 1.

« »

2.

(. 2),

() (. 3).

, . .

/

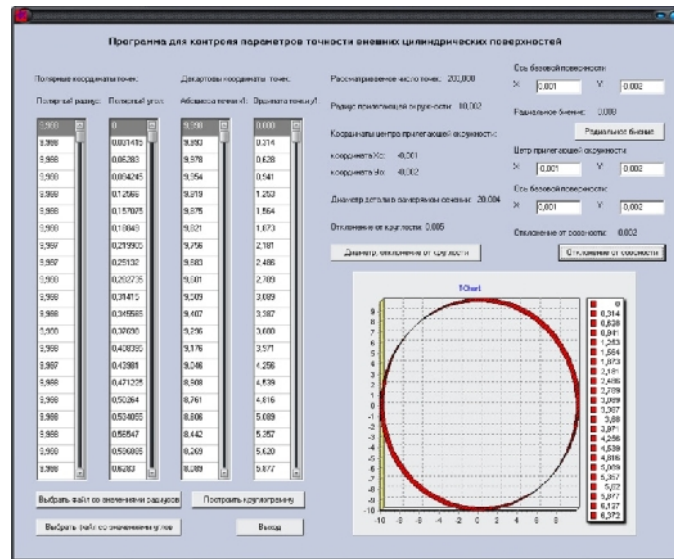
[1, 3, 4, 5, 6, 7].

161 700; 200
 1 313 400.

$$n^* = \frac{n!}{k!(n-k)!}, \quad (1)$$
 : n* - , k - 3 , k=3.



. 2.

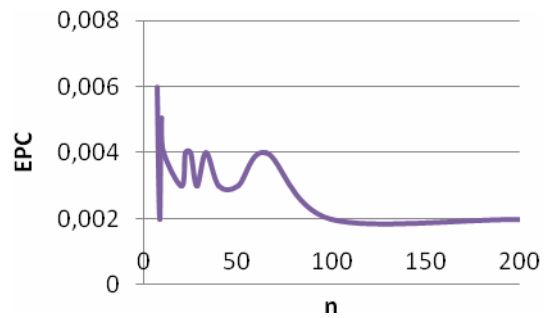
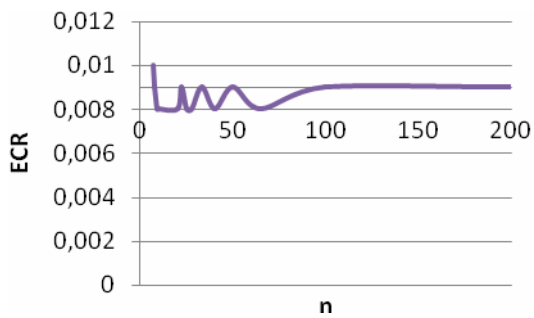
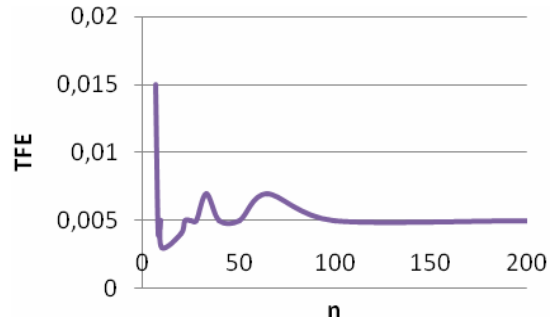
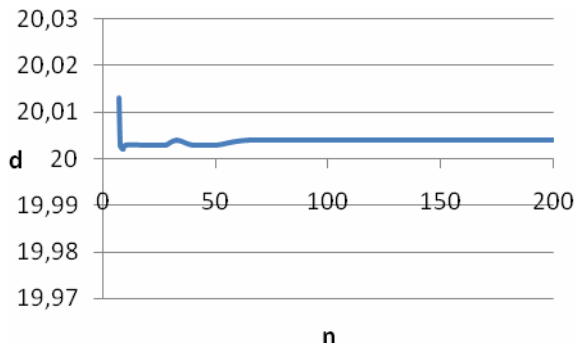


. 3.

0, = 0...0,001 ,

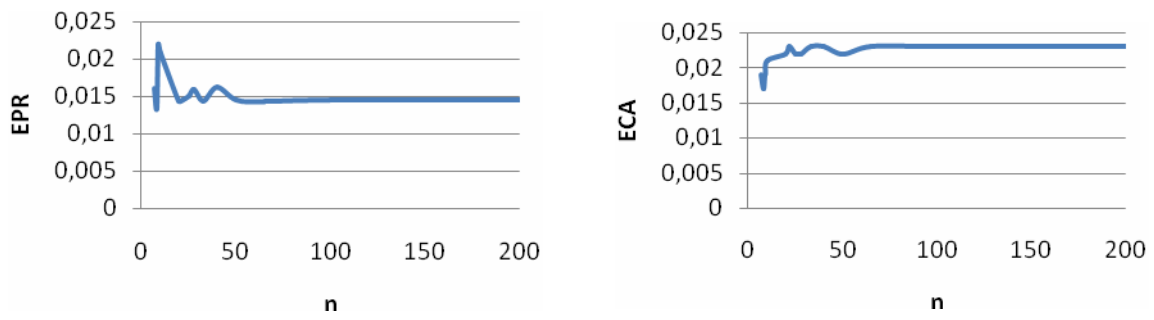
,
 ,
 (, 0,01),
 100
 60
 200
 60
 0,001
 100
 3.

,
 , TFE –
 , ECR – : d –
 , EPC – (. 4).



. 4. d, TFE, ECR, EPC n

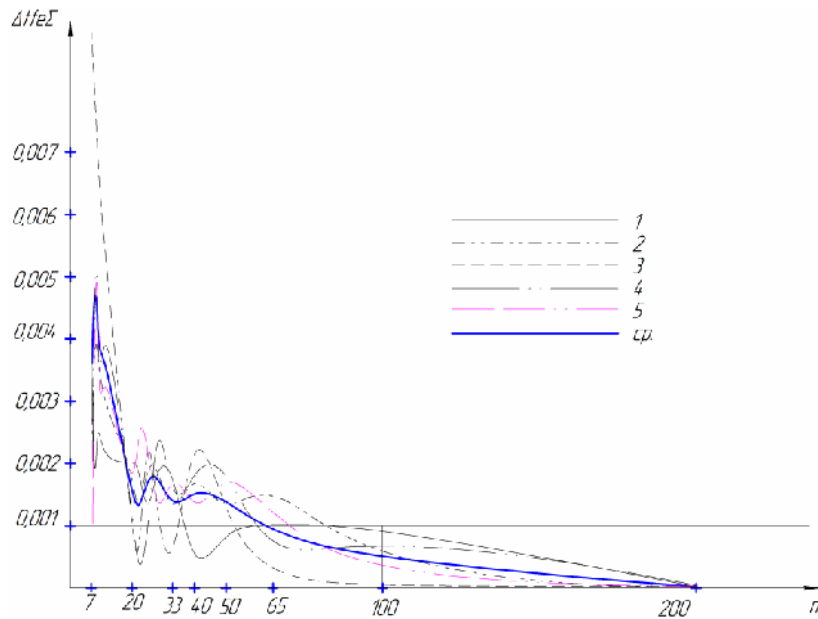
, ECR – (. 5). : EPR –



. 5. EPR, ECA n

6: TFE –

) = 100 (.



. 6. TFE

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

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CILINDRICAL AND BUTT SURFACES AUTOMATIC CONTROL OPERATIONS RESEARCHING

The article presents a researching material about cylindrical and butt surfaces control operations. The paper describes the problems arising during the inspection of the accuracy of form and relative position. We offer a measurement system, which can provide the measuring of several parameters of accuracy of form and relative position in the process of manufacturing. The paper describes an experimental researching of the deviation from circularity, coaxiality and perpendicularity, radial and axial run-out.

Key words: automatic control, form deviation, position deviation, roundness, axial run-out, coaxiality deviation, perpendicularity deviation.