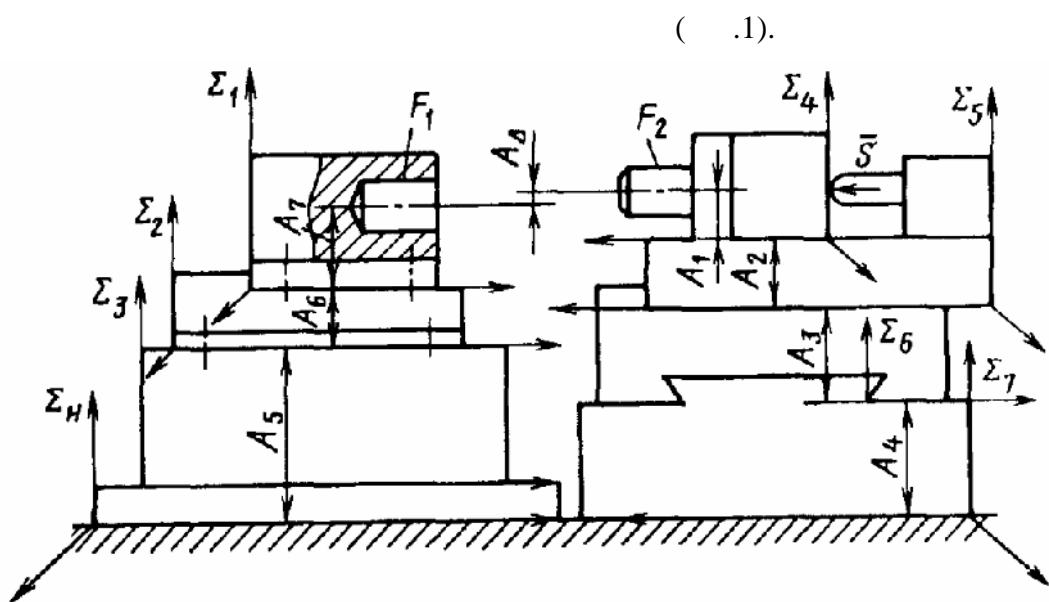


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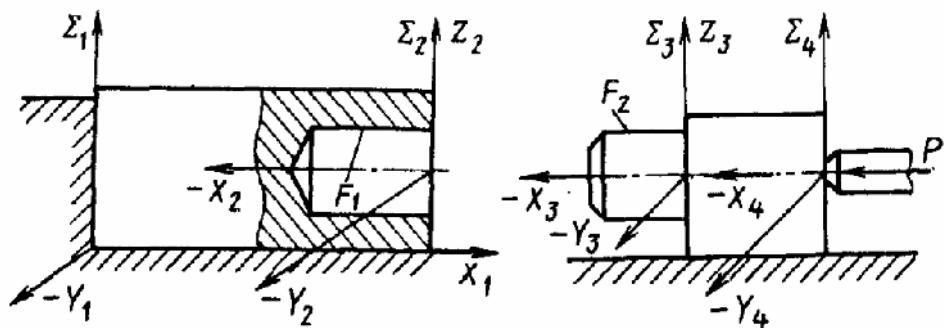
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1.

($\Sigma_3, \Sigma_4, \Sigma_2, \Sigma_1$)
, (Σ_4, Σ_1), (Σ_2), (Σ_1, Σ_4)



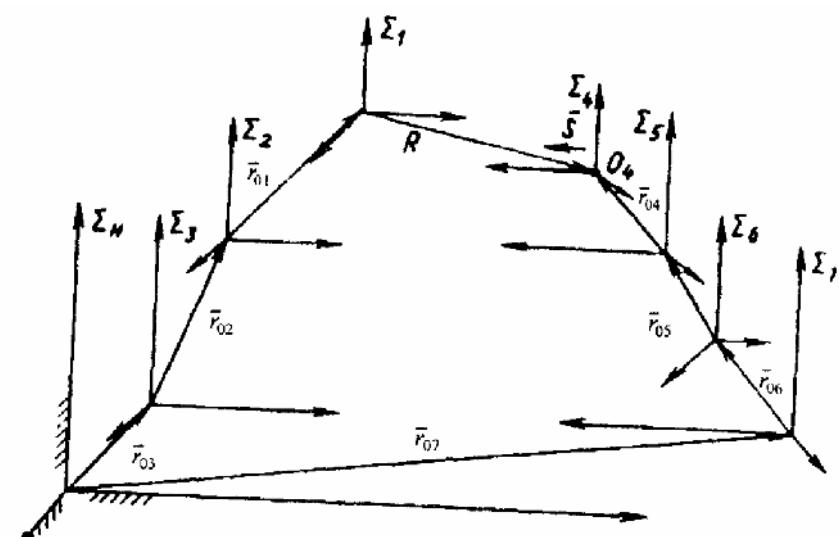
. 2.

Δ (. . . .1.),

$$\Sigma_1, \dots, \Sigma_7$$

Σ .

. 3.



. 3.

$$d_0 > d_B \quad d_0 - d_B \leq \Delta, \\ ; d_B - \quad ; \Delta -$$

$$\begin{array}{c} \vdots \\ F_1 \quad F_2 \\ , \\ (\dots, 1). \\ \Sigma_1, \\ F_1 \quad F_2 \end{array}$$

$$\begin{cases} (1) \\ \bar{R} = \sum_{i=1}^3 M_i^{-1} \left[\left(\sum_{i=5}^7 M_i \bar{r}_{04} + \sum_{i=6}^7 M_i \bar{r}_{05} + M_7 \bar{r}_{07} + \bar{S} \right) - \left(\sum_{i=2}^3 M_i \bar{r}_{01} + M_2 \bar{r}_{02} + \bar{r}_{03} \right) \right]; \\ M = \sum_{i=1}^3 M_i^{-1} \sum_{i=4}^7 M_i, \end{cases} \quad (2.1)$$

$$\begin{aligned}
 M_i &= 1, 2, \dots, 7 & \Sigma_1, \Sigma_2, \dots, \Sigma_7; \\
 M_i^{-1} &= ; \bar{r}_{01}, \bar{r}_{02}, \dots, \bar{r}_{07} & \Sigma_1, \Sigma_2, \dots, \Sigma_7 \\
 & ; \bar{S} & \Sigma_4.
 \end{aligned}$$

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$$(\quad, \quad),$$

$$(\quad, \quad).$$

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20.02.2012.

. . Melnichenko, O. L. Kondratuk,
A. O. Skorkin

**BASIC OPERATION OF PRINTSYPY SMALL-
SCALE ASSEMBLY OF
COMPLEX ENGINEERING PRODUCTS**

To date, the development of CAD assembly TA is strongly fragmented, there is no more close to the actual requirements of the system concept as a whole. To fulfill the requirements presented to identify specific tasks and subtasks. For a complete system needed GTMI (geometrical model of technological products). However, the problem is the fact that modern CAD design does not provide full GTMI.

Keywords: shaftsleeve, detail, assembly technology system.