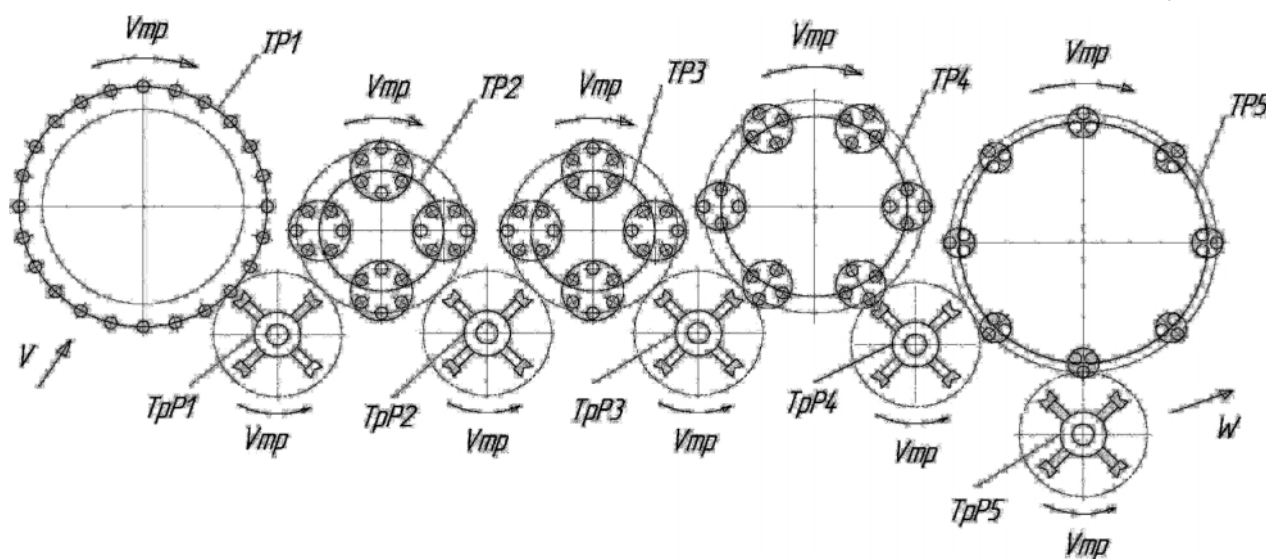


V

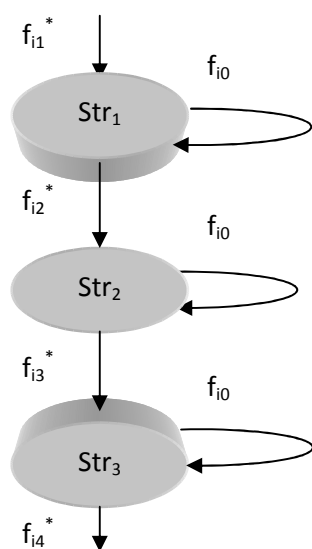
1,

W.

[4]



. 1.



. 2.

(. 2).

Str_1, Str_2, Str_3 .

(. 2)

i-

f_{i4}^* .

f_{i3}^* .

— f_{i2}^* .

— f_{i1}^* .

(f_{i0})

(f_i)

$$f_i = f_{i1}^* \cup f_{i2}^* \cup f_{i3}^* \cup f_{i4}^* \cup f_{i0}^* \quad (1)$$

(F)

$$F = f_1 \cup f_2 \cup f_3 \cup \dots \cup f_i \cup \dots \quad (2)$$

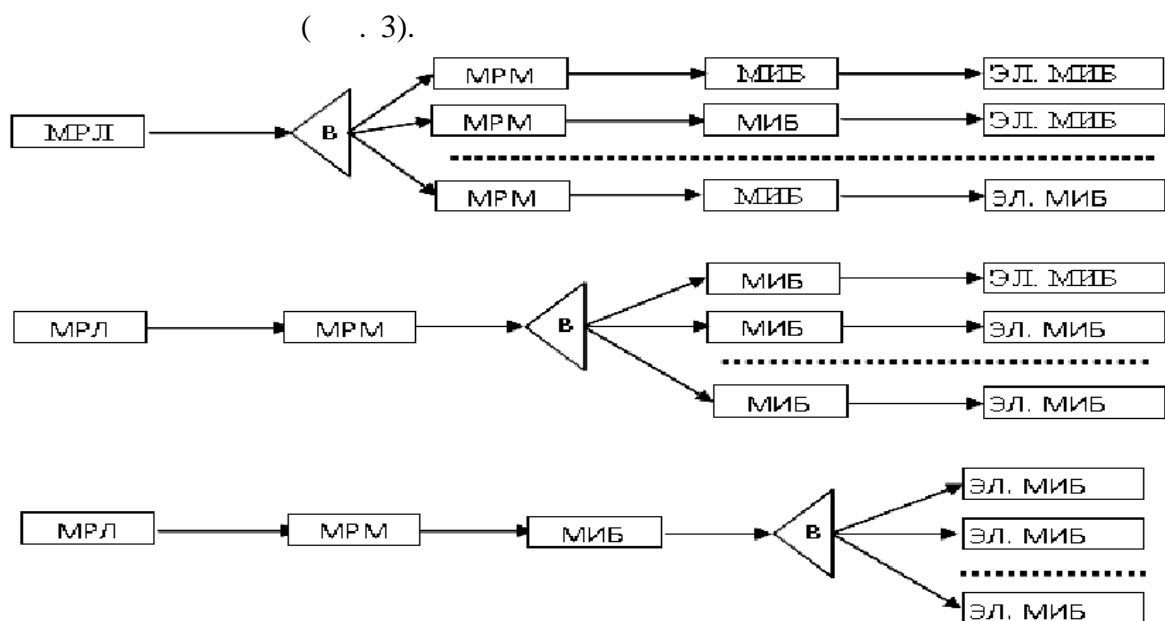
1 2,

$$\begin{aligned} F &= (f_{11}^* \cup f_{12}^* \cup f_{13}^* \cup f_{14}^* \cup f_{10}^*) \cup (f_{21}^* \cup f_{22}^* \cup f_{23}^* \cup f_{24}^* \cup f_{20}^*) \cup \dots \cup (f_{i1}^* \cup f_{i2}^* \cup f_{i3}^* \cup f_{i4}^* \cup f_{i0}^*) \cup \dots = \\ &= (f_{11}^* \cup f_{21}^* \cup \dots \cup f_{i1}^* \cup \dots) \cup (f_{12}^* \cup f_{22}^* \cup \dots \cup f_{i2}^* \cup \dots) \cup (f_{13}^* \cup f_{23}^* \cup \dots \cup f_{i3}^* \cup \dots) \cup \\ &\cup (f_{14}^* \cup f_{24}^* \cup \dots \cup f_{i4}^* \cup \dots). \end{aligned}$$

,

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$$F = f_1^* \cup f_2^* \cup f_3^* \cup f_4^* \cup f_0^*.$$



. 3.

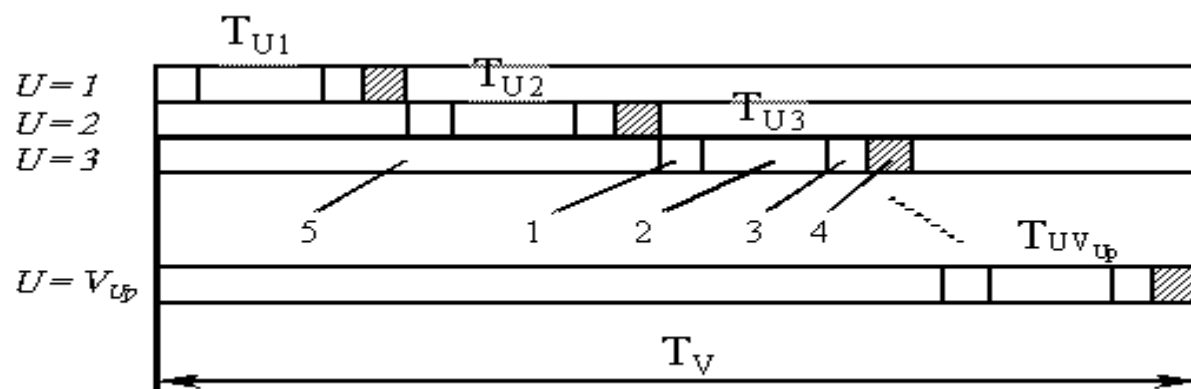
, -
(),(),
(),

(.).

82

(. 4).

t_1 (1), t_2 (2), t_3 (3), t_4 (4), t_5 (5)



. 4.

$$T_{Up} = U_p \cdot T_k .$$

$$T_{Zo} = Zo \cdot T_k .$$

$$T_V = V_{Up} \cdot T_U .$$

$$T_V = t_1 + t_2 + t_3 + t_4 .$$

$$T_U \approx T_k .$$

$$T_V = V_{Up} \cdot T_k .$$

$$t_5 = T_V - T_U = V_{Up} \cdot T_k - T_k = T_k \cdot (V_{Up} - 1) . \quad (3)$$

$$T_{Up} = \frac{U_p}{V_{Up}} \cdot T_V .$$

$$T_{Zo} = \frac{Zo}{V_{Up}} \cdot T_V .$$

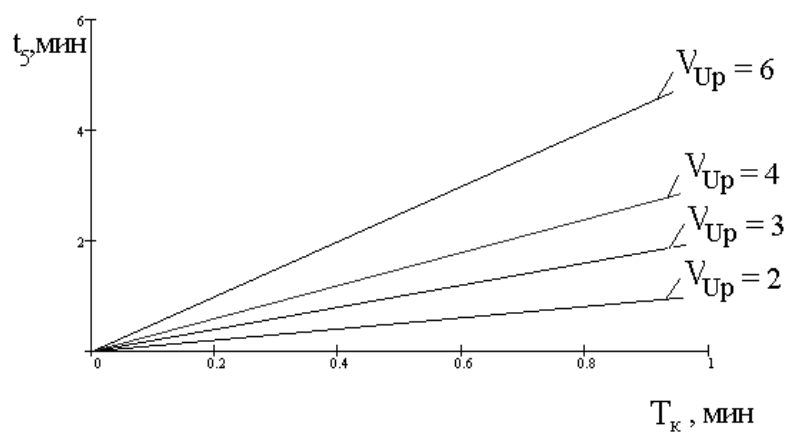
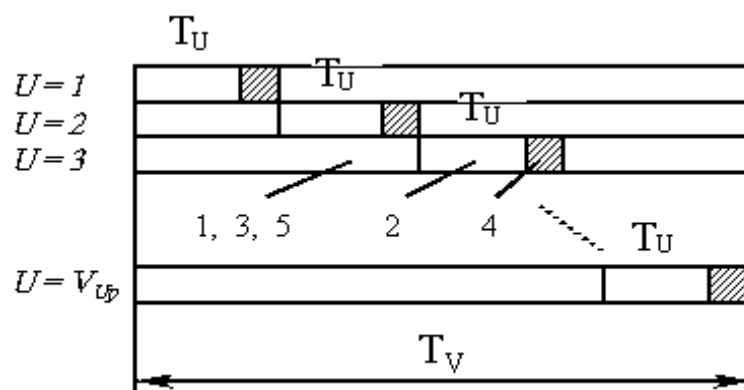


Рис. 5. Зависимость времени обслуживания от времени кинематического цикла



. 6.

(. 6)

$$V_{Up} \cdot (t_1 + t_3) \cdot$$

6

4.

:

1. . .
 . - 2003. - 4. - . 46-50.

2. . .
-
. - 2002. - 11. - . 35-39.

3. $\frac{1}{2} \cdot \frac{1}{2} = \frac{1}{4}$

1981 – . 13 - 19.

4. . . / . . , - : , 2002. – 379 .

20.02.2012.

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Y.O. Bulenkov, O.M.Mihailov, V.O. Kontelev
FEATURES OF PLANNING OF MULTITOP-
LEVEL ROTOR LINES

The features of planning of new multitop-level rotor lines with group instrumental blocks are described in the article: providing of the sequential memberwise group processing; providing of rout relations; providing of element modification; providing of structural-element accordance; providing of structural and in-element moduleness; providing of spatially-kinematics compaction of structure of technological and auxiliary elements. Explanations are given to every feature. The kinematics features of multitop-level rotor line with group instrumental blocks are described in detail.

Keywords: *planning features, kinematics features, group instrumental block, element*