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E-mail: kuvachoff@ukr.net

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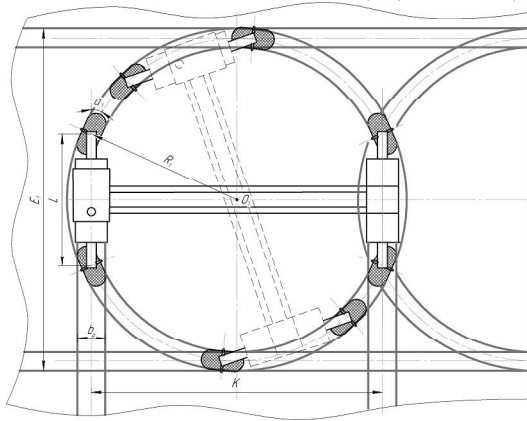
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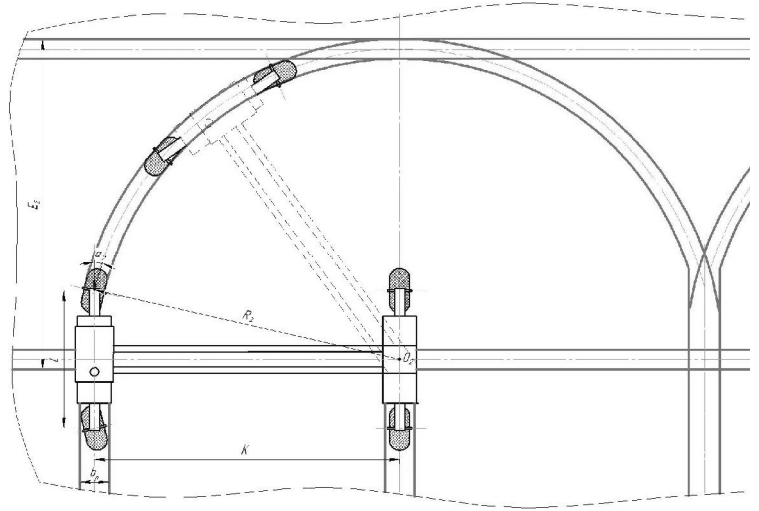
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μ ,

L

$$\mu = \frac{L}{K} \leq 1. \quad (1)$$

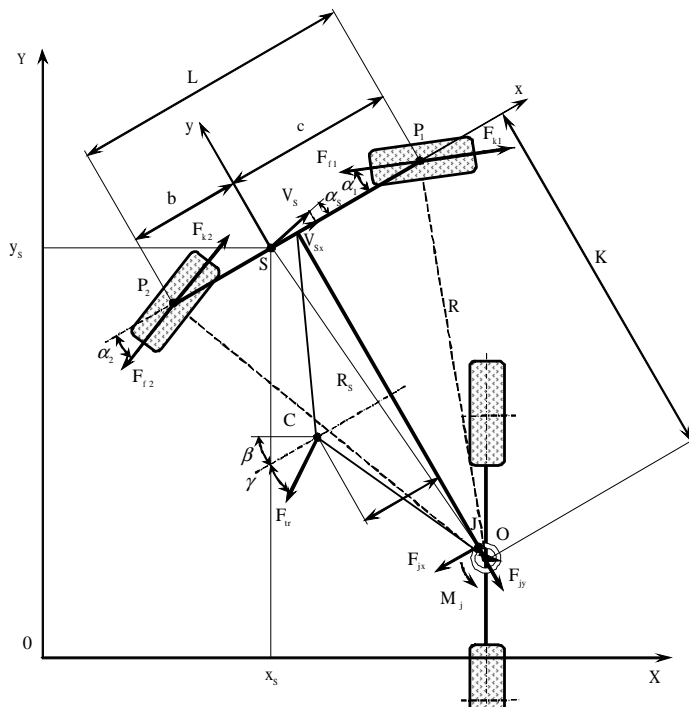
μ

$\mu \leq 1$

30%

$$\mu < 0,5, \quad 3\%$$

12%,



(.) (. 2)

$$\omega = \text{const}, \quad \dot{\alpha} = 0.$$

(
-
 α_1 α_2 .)

xSy,

(. S).

X

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()

) F_{k1} F_{k2}
 P_2)

F_{t1} F_{t2} ,

(. P_1

(m_1 m_2) m_b ,

F_{tr} ,

(. C),

γ .

F_{jx} F_{jy} ,

. J,

M_j .

xSy

$$\left. \begin{aligned}
 m_{b_{Sx}} &= \sum F_{xj} ; \\
 m_{b_{Sy}} &= \sum F_{yj} ; \\
 M_R &= \sum S_i ;
 \end{aligned} \right\} \quad (2)$$

$a_{Sx}, a_{Sy} -$; $\sum F_{xj}, \sum F_{yj} -$; $M_R -$; $\sum S_i -$

i- S. j- x y

. 2.

XOY,

$x_S, y_S, \beta,$; $x_S, y_S -$; $XOY; \beta -$

XOY

$$\left. \begin{aligned}
 m_{b_{Sx}} &= \sum F_{xj} ; \\
 m_{b_{Sy}} &= \sum F_{yj} ; \\
 J_{zS} &= \sum S_i ;
 \end{aligned} \right\} \quad (3)$$

$\beta_S -$; $\beta_S -$; $J_{zS} -$; X ; Y ; $z (. S); \beta -$

. 1.

2.