

629.113.075:629.114.4

Since the car is a mechanical system with resilient wheels, not rigid body, the center of relative rotation with the plane-parallel motion is not the center of mass of the car, but the centers around which the resistance to rotation will be minimal. The studies show that such a center for three-axle vehicle is a point located on the axis of the rear half of the track away from the longitudinal axis of the truck.

Keywords: center of relative turn, spot of contact of bus, angular deformation, curvature of trajectory, angular and lateral to inflexibility.

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$$u_{ki} = \frac{a_i + 2x}{4 \cdot R_{ki}} \quad (6)$$

$s_i -$

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$$= 0, 0 \leq x \leq 0,5l$$

v

, ...

$$\sum_{i=1}^6 M = \sum_{i=1}^4 \dots + \sum_{i=1}^2 M \dots \quad (7)$$

$$\sum_{i=1}^4 \dots = \dots_3 + \dots_4 + \dots_5 + \dots_6 \quad (8)$$

$$\dots_i = \frac{1}{4} c_{S_i} \cdot a_i \cdot r_i \cdot \dots \}_i \quad (9)$$

$$\sum_{i=1}^2 \dots = \dots_1 + \dots_2 \quad (10)$$

$$\dots_1 = \frac{1}{4} c_{S1} \cdot a_1 \cdot r_1 \cdot l_1 \cdot d \mathbb{E}_1 \cdot k_{ci} \quad (11)$$

$$\dots_2 = \frac{1}{4} c_{S2} \cdot a_2 \cdot r_2 \cdot l_2 \cdot d \mathbb{E}_1 \cdot k_{c2} \quad (12)$$

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$$(13) \quad [2]: \quad \dots_4 - \dots_6, \quad (6),$$

$$u_x = \frac{2x}{4 \cdot \dots_x} \quad (13)$$

$$x = B \cdot d \mathbb{E}_2, \quad \dots_x = B \quad (14)$$

$$d \mathbb{E}_2 = \dot{\mathbb{E}} \cdot dt \quad (15)$$

$\dot{\mathbb{E}} -$

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$$u_x = \frac{2 \cdot B \cdot \dot{\mathbb{E}} \cdot dt}{4B} = \frac{1}{2} \dot{\mathbb{E}} \cdot dt \quad (16)$$

[4]:

$$\dot{\mathbb{E}} = \frac{V_a}{\dots} \quad (17)$$

... -

[4].

$$u_x = \frac{V_a}{4 \dots} \cdot dt \quad (18)$$

$$\dots_4 \quad 4 \quad 6 \quad (. 1) \quad (19):$$

$$M_4 = M_6 = c_{S4} \cdot u_x = c_{S4} \cdot \frac{V_a}{4 \dots} \cdot dt \quad (19)$$

$$(20): \quad M_3 = M_5 = c_{S3} \cdot \dots = c_{S3} \cdot \frac{V_a}{4} \cdot dt \quad (9),$$

$$M_3 = M_5 = c_{S3} \cdot \dots = c_{S3} \cdot \frac{V_a}{4} \cdot dt \quad (20)$$

$$M_i = \frac{1}{4} c_{Si} \cdot a_i \cdot r_i \cdot \dots = \frac{1}{4} c_{Si} \cdot a_i \cdot r_i \cdot \frac{l}{2} \cdot dE = \frac{1}{8} c_{Si} \cdot a_i \cdot r_i \cdot l \cdot \dot{E} \cdot k_{ci} \cdot dt \quad (21)$$

$$(10)-(12): \quad M_1 = \frac{1}{4} c_{S1} \cdot a_1 \cdot r_1 \cdot \dots = \frac{1}{4} c_{S1} \cdot a_1 \cdot r_1 \cdot (l_1 + l_2) \cdot \frac{V_a}{4} \cdot k_{c1} \cdot dt \quad (22),$$

$$M_1 = \frac{1}{4} c_{S1} \cdot a_1 \cdot r_1 \cdot \dots = \frac{1}{4} c_{S1} \cdot a_1 \cdot r_1 \cdot (l_1 + l_2) \cdot \frac{V_a}{4} \cdot k_{c1} \cdot dt \quad (22)$$

$$M_2 = \frac{1}{4} c_{S2} \cdot a_2 \cdot r_2 \cdot (l_1 + l_2) \cdot \frac{V_a}{4} \cdot k_{c2} \cdot dt \quad (23)$$

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(19), (20), (21), (22) (23).

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[4]

-6322.

$$\sum_{i=1}^6 M = 10783 ;$$

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$$\sum_{i=1}^6 M_{n..} = 3460 ;$$

$$6 \cdot 6 \cdot -6322$$

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1945.

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