

# Erratum: “Dynamic Analysis of 4-SPS/CU Parallel Mechanism Considering Three-Dimensional Wear of Spherical Joint With Clearance”

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$$\dot{\mathbf{n}} = \frac{1}{e} \left[ \dot{\mathbf{r}}_1 + \mathbf{R}_1 \dot{\mathbf{s}}_{b_1}^1 - \dot{\mathbf{r}}_6 - \mathbf{R}_6 \dot{\mathbf{s}}_{A_1}^6 \right] = \frac{1}{e} \left[ \dot{\mathbf{r}}_1 + \mathbf{R}_1 \left( \bar{\boldsymbol{\omega}}_1 \times \mathbf{s}_{b_1}^1 \right) - \dot{\mathbf{r}}_6 - \mathbf{R}_6 \left( \bar{\boldsymbol{\omega}}_6 \times \mathbf{s}_{A_1}^6 \right) \right] \quad (6a)$$

$$F_x = F_N \sin \theta_z \sin \theta_y + F_t \cos \theta_z \cos \theta_y \quad (28)$$

$$\boldsymbol{\omega} = ar \cos \frac{\mathbf{l}_z \cdot \mathbf{l}_{6z}}{l_z \cdot l_{6z}}, \quad \mathbf{l}_{6z} = \mathbf{R}_6 [0 \quad 0 \quad z]^T \quad (42)$$

The unit in Figs. 15, 17, and 19 should be meters (m) and in Figs. 16 and 18 should be millimeters (mm).