In-Plane Formation Reconfiguration with Radial Maneuvers (vol 43, pg 1881, 2020)
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Correction: In-Plane Formation Reconfiguration with Radial Maneuvers

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Correction Notice

In the original article [https://doi.org/10.2514/1.G004933], the fifth element of the relative orbit elements (ROE) vector should be δi_y, the y component of the relative inclination vector. Therefore:

The correct notation for Eq. (1) is

$$
\begin{pmatrix} \delta a \\ \delta e_x \\ \delta e_y \\ \delta i_x \\ \delta i_y \\ \delta \lambda \end{pmatrix} = \begin{pmatrix} \delta a \\ \delta e \cos \varphi \\ \delta e \sin \varphi \\ \delta i \cos \theta \\ \delta i \, \sin \theta \\ \delta \lambda \end{pmatrix} = \begin{pmatrix} (a_d - a)/a \\ e_d \cos \omega_d - e \cos \omega \\ e_d \sin \omega_d - e \sin \omega \\ i_d - i \\ (\Omega_d - \Omega) \sin i \\ (u_d - u) + (\Omega_d - \Omega) \cos i \end{pmatrix}
$$

The correct notation for Eq. (2) is

$$
a \begin{pmatrix} \Delta \delta a \\ \Delta \delta e_x \\ \Delta \delta e_y \\ \Delta \delta i_x \\ \Delta \delta i_y \\ \Delta \delta \lambda \end{pmatrix} = \frac{1}{n} \begin{bmatrix} 0 & 2 & 0 \\ \sin u & 2 \cos u & 0 \\ -\cos u & 2 \sin u & 0 \\ 0 & 0 & \cos u \\ 0 & 0 & \sin u \\ -2 & 0 & 0 \end{bmatrix} \begin{pmatrix} \Delta V_R \\ \Delta V_T \\ \Delta V_N \end{pmatrix}
$$