Erratum to: New efficient method for dynamic modeling and simulation of flexible multibody systems moving in plane

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Erratum to: Multibody Syst Dyn
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The sentence following Equation (64) is incorrectly presented. The correct presentation should be:

From (63), the transfer equation of a smooth pin hinge whose outboard body is flexible body with one inboard and one outboard points moving in plane and inboard body is a rigid body can be obtained.

Equation (66) is incorrectly presented. The correct presentation should be:

$$\mathbf{U}_{(7+n) \times 7} = \begin{bmatrix} \mathbf{I}_2 & \mathbf{O}_{2 \times 1} & \mathbf{O}_{2 \times 1} & \mathbf{O}_{2 \times 2} & \mathbf{O}_{2 \times 1} \\ \tilde{\mathbf{U}}_{21} & 0 & 0 & \tilde{\mathbf{U}}_{25} & \tilde{\mathbf{U}}_{28} \\ \mathbf{O}_{1 \times 2} & 0 & 0 & \mathbf{O}_{1 \times 2} & 0 \\ \mathbf{O}_{2 \times 2} & \mathbf{O}_{2 \times 1} & \mathbf{O}_{2 \times 1} & \mathbf{I}_2 & \mathbf{O}_{2 \times 1} \\ \tilde{\mathbf{U}}_{51} & \mathbf{O}_{n \times 1} & \mathbf{O}_{n \times 1} & \tilde{\mathbf{U}}_{55} & \tilde{\mathbf{U}}_{58} \\ \mathbf{O}_{1 \times 2} & 0 & 0 & \mathbf{O}_{1 \times 2} & 1 \end{bmatrix}.$$

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Equation (69) is incorrectly presented. The correct presentation should be:

$$\mathbf{U}_{(7+n) \times 7} = \begin{bmatrix} \mathbf{I}_2 & \mathbf{O}_{2 \times 1} & \mathbf{O}_{2 \times 1} & \mathbf{O}_{2 \times 2} & \mathbf{O}_{2 \times 1} \\ \mathbf{O}_{1 \times 2} & 1 & 0 & \mathbf{O}_{1 \times 2} & 0 \\ \mathbf{O}_{1 \times 2} & 0 & 1 & \mathbf{O}_{1 \times 2} & 0 \\ \mathbf{O}_{2 \times 2} & \mathbf{O}_{2 \times 1} & \mathbf{O}_{2 \times 1} & \mathbf{I}_2 & \mathbf{O}_{2 \times 1} \\ \tilde{\mathbf{U}}_{51} & \tilde{\mathbf{U}}_{53} & \tilde{\mathbf{U}}_{54} & \tilde{\mathbf{U}}_{55} & \tilde{\mathbf{U}}_{58} \\ \mathbf{O}_{1 \times 2} & 0 & 0 & \mathbf{O}_{1 \times 2} & 1 \end{bmatrix}.$$

Equation (73) is incorrectly presented. The correct presentation should be:

$$\mathbf{U}_{7 \times (7+n)} = \begin{bmatrix} \mathbf{I}_3 & \mathbf{O}_{3 \times 3} & \mathbf{U}_{13} & \mathbf{O}_{3 \times 1} \\ \mathbf{O}_{3 \times 3} & \mathbf{I}_3 & \mathbf{O}_{3 \times n} & \mathbf{O}_{3 \times 1} \\ \mathbf{O}_{1 \times 3} & \mathbf{O}_{1 \times 3} & \mathbf{O}_{1 \times n} & 1 \end{bmatrix}, \quad \mathbf{U}_{13} = \begin{bmatrix} \mathbf{O}_{1 \times n} \\ \mathbf{O}_{1 \times n} \\ \Phi'_O \end{bmatrix}.$$