Errata

- Page 67 (sign)

For the translational
be specified on a line tha
between bodies i and j. No
P_j and Q_j are located on bc
vector $\mathbf{v}_j$ in body j con
$\mathbf{v}_i' = [x_i^P - x_i^Q, y_i^P - y_i^Q]^T$ an
on body j. The vector $\mathbf{d}_{ij}$
Vectors $\mathbf{v}_i$ and $\mathbf{v}_j$ must rem
collinear, it is necessary
perpendicular to $\mathbf{v}_i$. Using

$$\mathbf{\Phi}^{t(i,j)} = \begin{bmatrix} (\mathbf{v}_i^{\perp})^T \mathbf{d}_{ij} \\ (\mathbf{v}_i^{\perp})^T \mathbf{v}_j \end{bmatrix}$$

- Page 68 (unbalanced parentheses)

Using Eqs. 2.4.12 and 2.6.8,

$$\boldsymbol{\gamma}^{t(i,j)} = -\begin{bmatrix} \mathbf{v}_i'^T[\mathbf{B}_{ij}\mathbf{s}_j'^P(\dot{\phi}_j - \dot{\phi}_i)^2 - \mathbf{B}_i^T(\mathbf{r}_j - \mathbf{r}_i)\dot{\phi}_i^2 - 2\mathbf{A}_i^T(\dot{\mathbf{r}}_j - \dot{\mathbf{r}}_i)\dot{\phi}_i \\ 0 \end{bmatrix}$$

where the second term on the right is zero, because of Eq. 3.3.13.