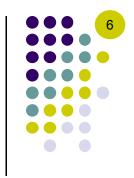
## **Errata**



## Page 67 (sign)

For the translational be specified on a line that between bodies i and j. No  $P_i$  and  $Q_i$  are located on bc vector  $\mathbf{v}_i$  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  $\mathbf{d}_{i}$ Vectors  $\mathbf{v}_i$  and  $\mathbf{v}_j$  must rem collinear, it is necessary perpendicular to  $\mathbf{v}_i$ . Using

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

## Page 68 (unbalanced parentheses)

Using Eqs. 2.4.12 and 2.6.8,

qs. 2.4.12 and 2.6.8,  

$$\boldsymbol{\gamma}^{t(i,j)} = -\begin{bmatrix} \mathbf{v}_i^{T} [\mathbf{B}_{ij} \mathbf{s}_j^{P} (\dot{\boldsymbol{\phi}}_j - \dot{\boldsymbol{\phi}}_i)^2 - \mathbf{B}_i^{T} (\mathbf{r}_j - \mathbf{r}_i) \dot{\boldsymbol{\phi}}_i^2 - 2 \mathbf{A}_i^{T} (\dot{\mathbf{r}}_j - \dot{\mathbf{r}}_i) \dot{\boldsymbol{\phi}}_i \end{bmatrix}$$

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