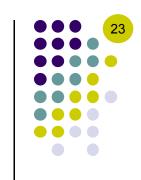
Errata:



Page 73
 (transpose and signs)

$$\Phi^{g(i,j)} = (\mathbf{r}_i^P - \mathbf{r}_i^P)\mathbf{u}^{\perp}$$

$$= (x_j^P - x_i^P)\sin\theta - (y_j^P - y_i^P)\cos\theta = 0$$
(3.4.3)

 $= (x_j^P - x_i^P) \sin \theta - (y_j^P - y_i^P) \cos \theta = 0$ where θ is given by Eq. 3.4.2 and $\mathbf{u}^{\perp} = [-\sin \theta, \cos \theta]^T$; that is, $\mathbf{u} = [\cos \theta, \sin \theta]^T$ is a unit vector along the line from P_i to P_j in Fig. 3.4.2.

 Page 73 (perpendicular sign, both equations)

$$\Phi_{\mathbf{q}_{i}}^{g(i,j)} = \left[-\mathbf{u}^{T}, -\mathbf{s}_{i}^{\prime P^{T}} \mathbf{B}_{i}^{T} \mathbf{u} + (\mathbf{r}_{j}^{P} - \mathbf{r}_{i}^{P})^{T} \mathbf{u}^{\perp} \left(\frac{R_{i}}{R_{i} + R_{j}} \right) \right]$$

$$\Phi_{\mathbf{q}_{j}}^{g(i,j)} = \left[\mathbf{u}^{T}, \mathbf{s}_{j}^{\prime P^{T}} \mathbf{B}_{j}^{T} \mathbf{u} + (\mathbf{r}_{j}^{P} - \mathbf{r}_{i}^{P})^{T} \mathbf{u}^{\perp} \left(\frac{R_{j}}{R_{i} + R_{j}} \right) \right]$$
(3.4.4)