

## ERRATA in the book

*"Kinematic and Dynamic Simulation of Multibody Systems. The Real-Time Challenge",  
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from J. García de Jalón and E. Bayo

Equation (4.75) in page 140 should be:

$$\begin{Bmatrix} \ddot{\mathbf{r}}_i \\ \ddot{\mathbf{r}}_j \\ \ddot{\mathbf{u}} \\ \ddot{\mathbf{v}} \end{Bmatrix} = \begin{bmatrix} \mathbf{I}_3 & 0 & 0 \\ 0 & \mathbf{I}_3 & 0 \\ 0 & 0 & \mathbf{I}_3 \\ -c\tilde{\mathbf{u}} & c\tilde{\mathbf{u}} & c\tilde{\mathbf{r}}_{ij} \end{bmatrix} \begin{Bmatrix} \ddot{\mathbf{r}}_i \\ \ddot{\mathbf{r}}_j \\ \ddot{\mathbf{u}} \end{Bmatrix} + \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \\ -c\dot{\tilde{\mathbf{u}}} & c\dot{\tilde{\mathbf{u}}} & c\dot{\tilde{\mathbf{r}}}_{ij} \end{bmatrix} \begin{Bmatrix} \dot{\mathbf{r}}_i \\ \dot{\mathbf{r}}_j \\ \dot{\mathbf{u}} \end{Bmatrix}$$