

Transformace z $\{\bar{\mathbf{R}}_{a,b}^*\}$ na $\{\bar{\mathbf{R}}_{a,b}\}$

$$\{\bar{\mathbf{R}}_{a,b}\} = \left\{ \begin{array}{c} \bar{X}_a^* \cos g - \bar{Z}_a^* \sin g \\ \bar{X}_a^* \sin g + \bar{Z}_a^* \cos g \\ \bar{M}_a^* \\ \hline \bar{X}_b^* \cos g - \bar{Z}_b^* \sin g \\ \bar{X}_b^* \sin g + \bar{Z}_b^* \cos g \\ \bar{M}_b^* \end{array} \right\}$$

Transformace z $\{\mathbf{r}_{a,b}\}$ na $\{\mathbf{r}_{a,b}^*\}$

$$\{\mathbf{r}_{a,b}^*\} = \left\{ \begin{array}{c} u_a \cos g + w_a \sin g \\ -u_a \sin g + w_a \cos g \\ \dot{\mathbf{j}}_a \\ \hline u_b \cos g + w_b \sin g \\ -u_b \sin g + w_b \cos g \\ \dot{\mathbf{j}}_b \end{array} \right\}$$