$$u_{s,\alpha\beta}^{s}(t) | \dot{\psi}_{s,\alpha\beta}^{s}(t) | L_{\sigma,s} | L'_{\sigma,r} | R'_{r} i_{r,\alpha\beta}^{s'}(t)$$

$$M | \dot{\psi}_{r,\alpha\beta}^{s'}(t) | u_{r,\alpha\beta}^{s'}(t)$$

$$-\omega_{r,el}(t) J \psi_{r}^{s'}$$