

$$J_{a0}^T J_{ba}^T M_{bb} J_{ba} J_{a0} + J_{d0}^T M_{dd} J_{d0}$$

$$(-\text{sym})$$

$$x_a$$

$$x_d$$

$$f_a$$

$$f_d$$

=

$$J_{\alpha 0}^T J_{cb} J_{ba} J_{a0} + J_{\beta 0}^T J_{ea} J_{a0} + J_{\beta 0}^T J_{ed} J_{d0}$$

$$J_{\alpha 0}^T C_{\alpha \alpha} J_{\alpha 0} + J_{\beta 0}^T C_{\beta \beta} J_{\beta 0}$$

$$\lambda_\alpha$$

$$\lambda_\beta$$

$$\varphi_\alpha$$

$$\varphi_\beta$$