

$$\begin{array}{c} \begin{bmatrix} 1 & 0 \\ 0 & 1 \\ -1 & -1 \end{bmatrix} \\ \textit{Contrast} \end{array} \begin{array}{c} \begin{bmatrix} \sigma_1^2 & \sigma_{12} \\ \sigma_{21} & \sigma_2^2 \end{bmatrix} \\ \textit{Covariance} \\ \textit{Matrix} \end{array} \begin{array}{c} \begin{bmatrix} 1 & 0 & -1 \\ 0 & 1 & -1 \end{bmatrix} \\ \textit{Contrast}^T \end{array} = \begin{array}{c} \begin{bmatrix} \sigma_1^2 & \sigma_{12} & -\sigma_1^2 - \sigma_{12} \\ \sigma_{21} & \sigma_2^2 & -\sigma_2^2 - \sigma_{21} \\ -\sigma_1^2 - \sigma_{21} & -\sigma_2^2 - \sigma_{12} & \sigma_1^2 + \sigma_2^2 + \sigma_{12} + \sigma_{21} \end{bmatrix} \\ \textit{Covariance Matrix (Reconstructed)} \end{array}$$