$$\mathcal{K}\left(C^{-1} \otimes C^{-1}\right) = \mathcal{I} \otimes \mathcal{I}$$

$$\mathcal{K}\left(-\frac{dC^{-1}}{dC}\right) = \mathbf{S}$$

$$JC = \chi \left(4 \frac{d^2 \psi}{d \zeta \otimes d \zeta}\right) = 4 \left[\frac{\lambda}{2} I \otimes I + \frac{1}{2} \left[\mu - 2\lambda \ln(I)\right] \right]$$

$$= 2\lambda I \otimes I + 2 \left[\mu - 2\lambda \ln(I)\right] \right]$$