$\boldsymbol{\theta}^{(k+1)} \leftarrow \boldsymbol{\theta}^{(k)} - \mathcal{H}_{\boldsymbol{\theta}}^{-1} \left(\boldsymbol{\theta}^{(k)}\right) \nabla_{\boldsymbol{\theta}} \mathcal{J} \left(\boldsymbol{\theta}^{(k)}\right) ,$