$\boldsymbol{\theta}^{(k+1)} \leftarrow \boldsymbol{\theta}^{(k)} + \alpha^{(k)} \mathcal{F}_{\boldsymbol{\theta}}^{-1} \nabla_{\boldsymbol{\theta}} \mathcal{L} \left(\boldsymbol{\theta}^{(k)} \right).$