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