## Maximize $P(\mathbf{x} \mid \alpha)$

$$
\begin{aligned}
& \mathbf{s} \Leftarrow \mathbf{s}-\mathbf{J}^{-1} \mathbf{g} \\
& \\
& \begin{array}{l}
\text { Find } \mathbf{J}^{-1} \mathbf{g} \\
\quad \text { Search directions } \mathbf{B}^{n} \mathbf{g}
\end{array}
\end{aligned}
$$

Until $\Delta \mathbf{s}$ is small
Use trace $(\mathbf{M}) \approx \mathbf{r}^{T} \mathbf{M r}$

