Extremal points are voots of
$$\nabla F(x)$$
 $= \int (x)=0$

Newton's method: $x^{(n+1)} = x^{(n)} - J^{-1} \int (x^{(n)}) = \nabla f$

Here: $x^{(n+1)} = x^{(n)} - H^{-1} \nabla F(x^{(n)}) = \nabla \nabla F = H$

Sortion for Elimination

H($x^{(n+1)} - x^{(n)} = -\nabla F(x^{(n)})$

Ax=b

A x b

Crostient obscent: $x^{(n+1)} = x^{(n)} - A \nabla F(x^{(n)}) = -\nabla F(x^{(n)})$

Step Size $x>0$

"line search" $x=A^{-1}b$