

Lab-04

1. Write a MATLAB program that implements multidimensional root finding using NR-method.
 2. Check it out using a simple set of nonlinear equations say, $x + y = 2$ and $y^2 = 1$.
 3. Now solve the following set of equations: $-2 \sin(x) + \sin(y) - \sin(x + y) = -1$ and $\sin(x) - 2 \sin(y) - \sin(x + y) = -1$
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