ME 3001 Lecture, Roots of Non-Linear Equations A Finite Difference Approch - The Secant Method

 What do 	s secant mean?
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- The Newton-Raphson method is not purely numerical, why?
 - The Equation

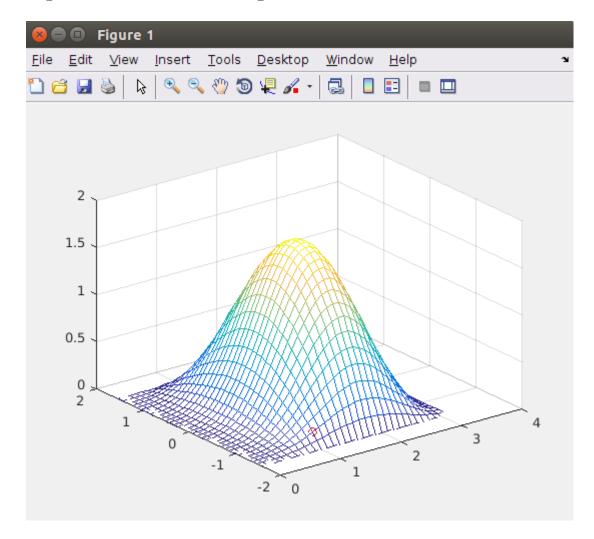
- The Derivation

•	Root	finding	and C	Optimzat	ion?
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- Using the derivative

- Constraints

• Optimzation Techniques



- Brute Force

- Steepest Accent

A brief introduction to Optimization

- What is Optimization ?
 - Find Local Minima and Maxima

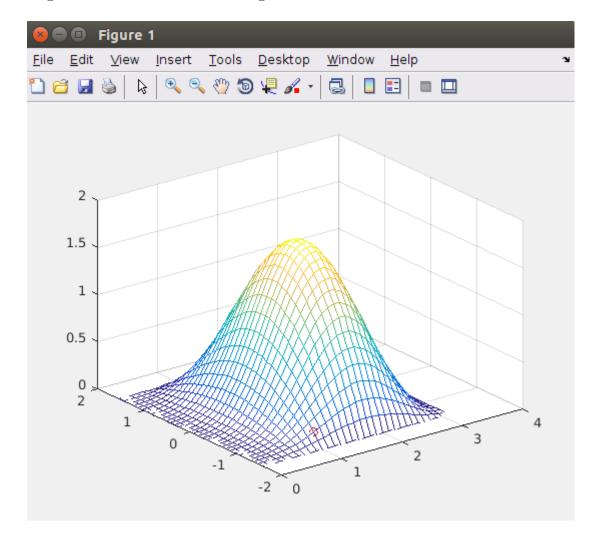
- Constraints

 Root finding and Optimization? 	•	Root	finding	and	Optimz	ation?
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- Using the derivative

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- Brute Force

- Steepest Accent

REMINDERS

- \bullet Homework was due Friday (11:59 PM)
- MATLAB script from today's lecture will be posted on ilearn.