Numerical Methods for Solving

Nonlinear Equations

...just the color figures for those who got the B&W printed book...

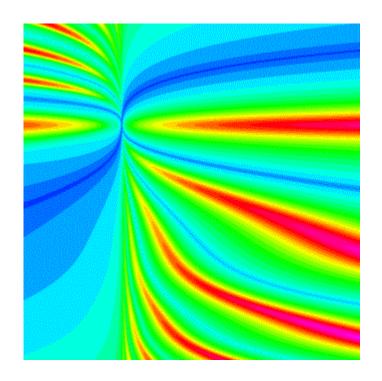
D. James Benton

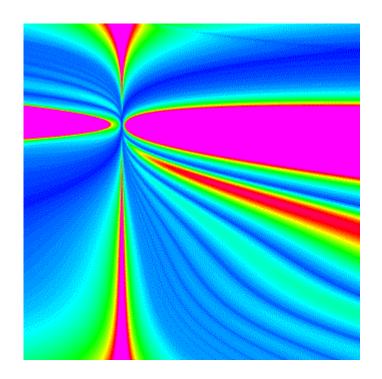
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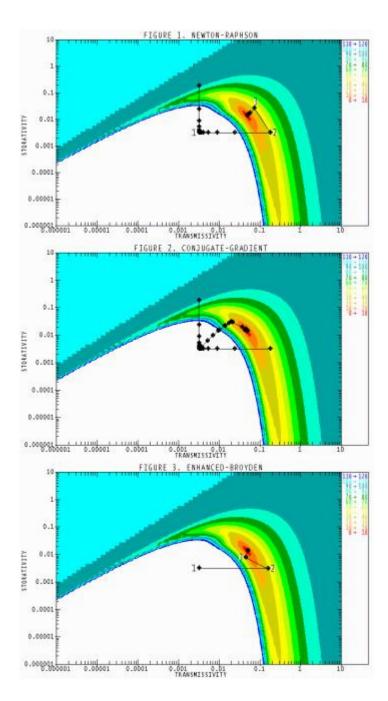
Foreword

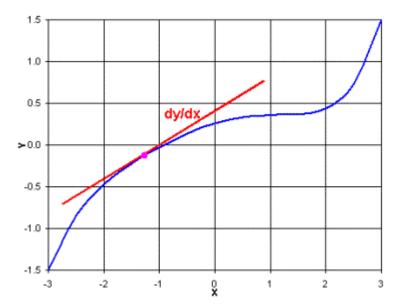
Nonlinear equations are found throughout science and engineering across a wide variety of disciplines. These are a significant part of applied mathematics and much effort has been devoted to their study and solution. We will consider single and multi-variable problems. Various theories will be presented, but always with a focus on what works best—that is, the most practical approaches. In the literature of applied mathematics, these are known as *robust* algorithms.

All of the examples contained in this book,
(as well as a lot of free programs) are available at...
http://www.dudleybenton.altervista.org/software/index.html

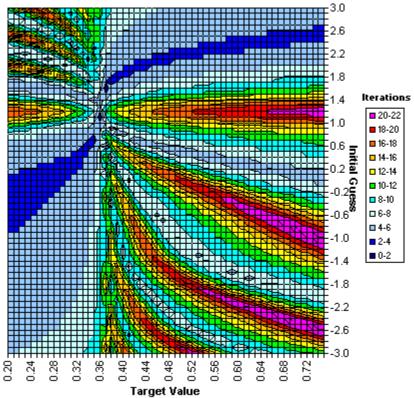


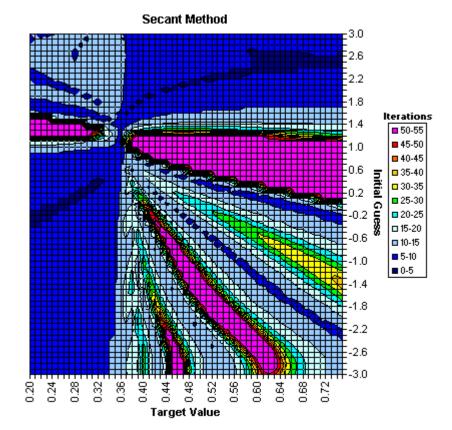


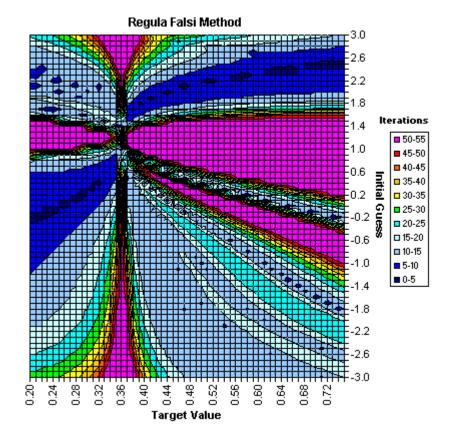


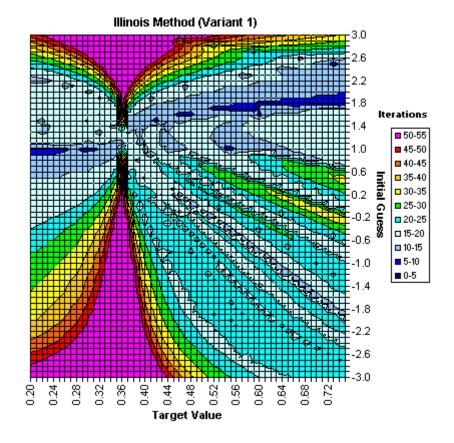


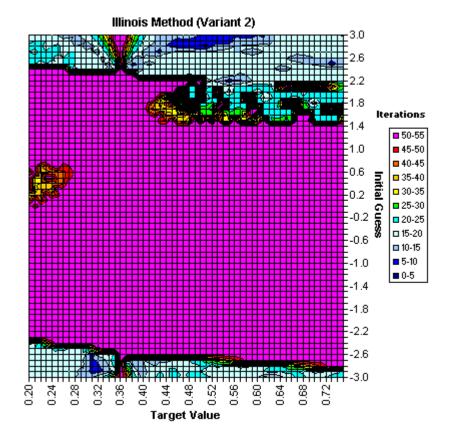
Newton-Raphson Method

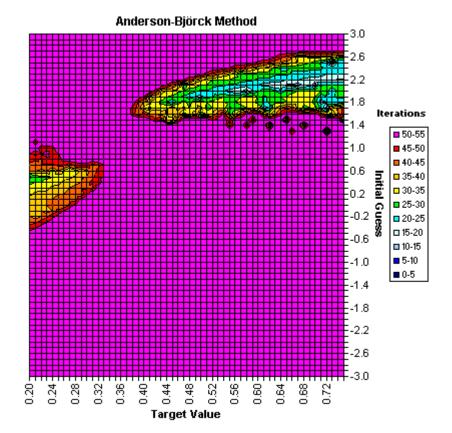


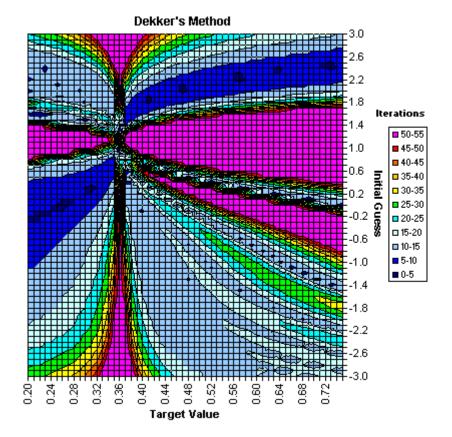


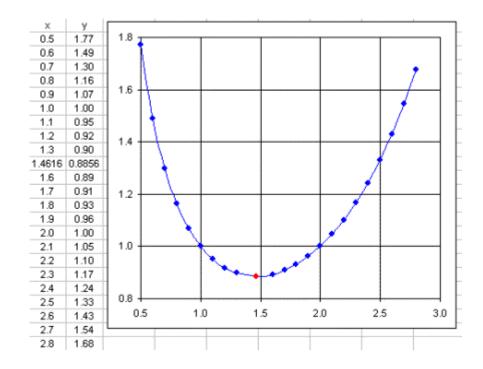


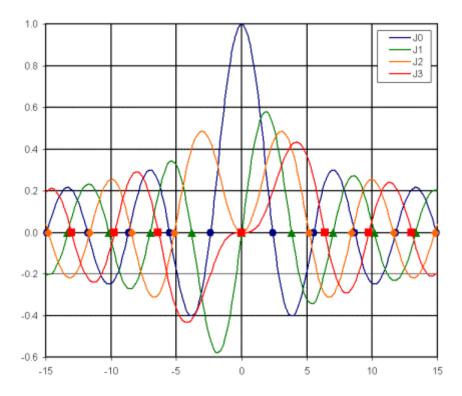


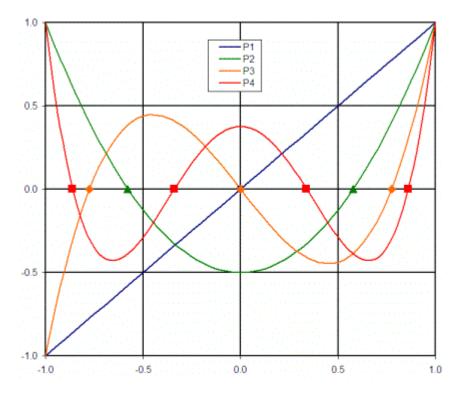


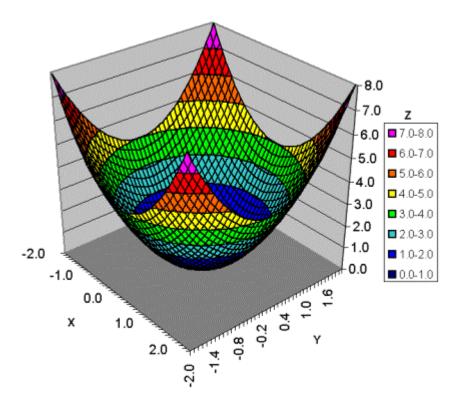


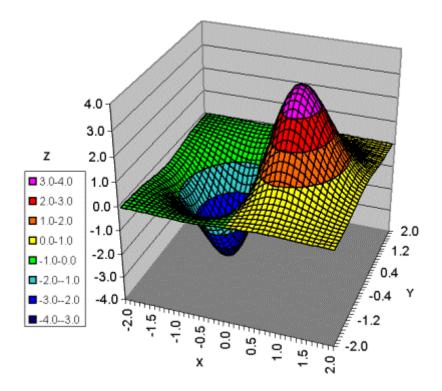


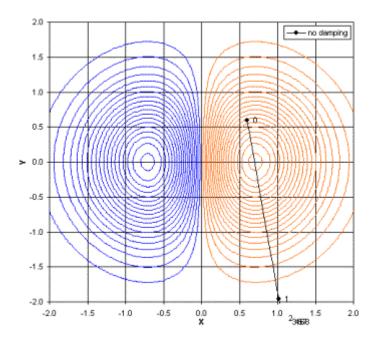


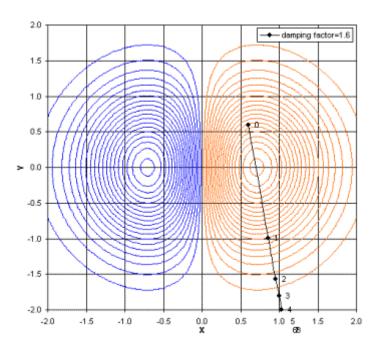


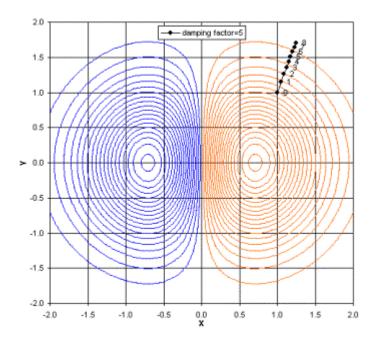


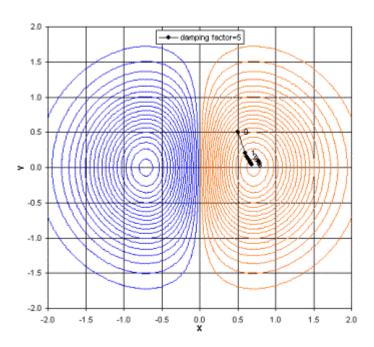


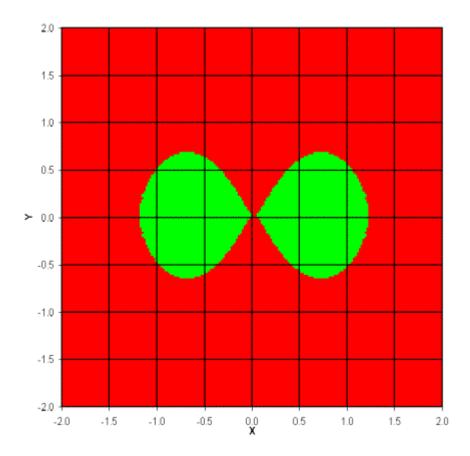


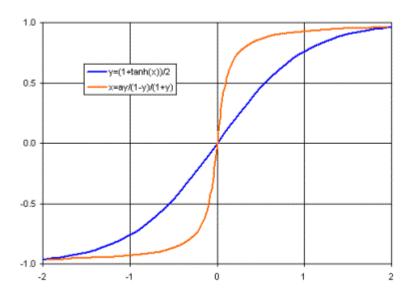


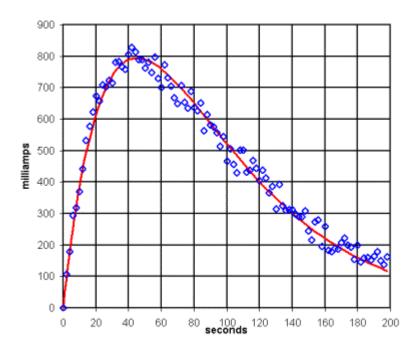


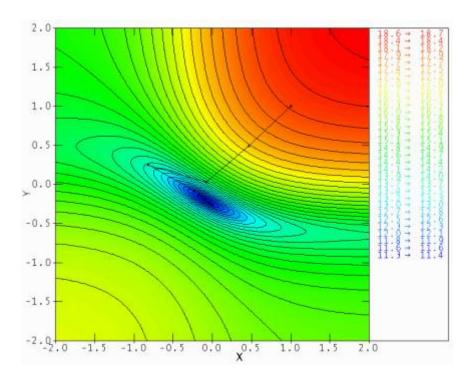


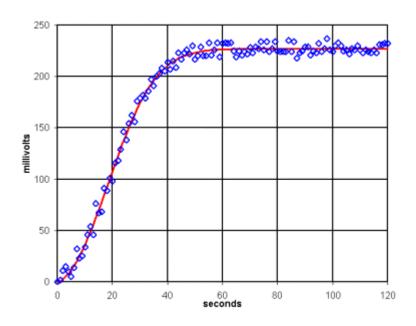


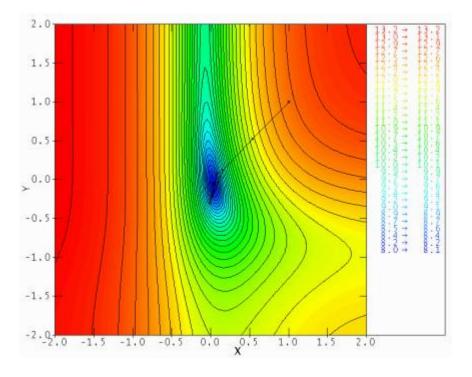


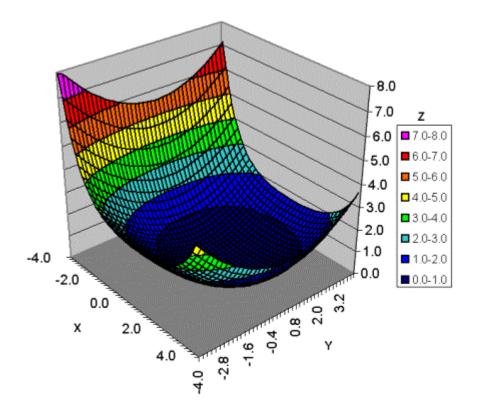


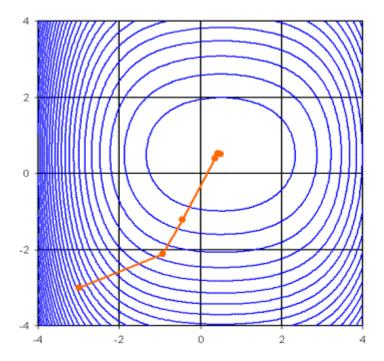


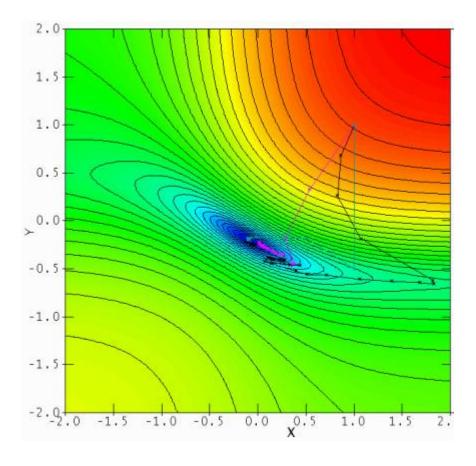


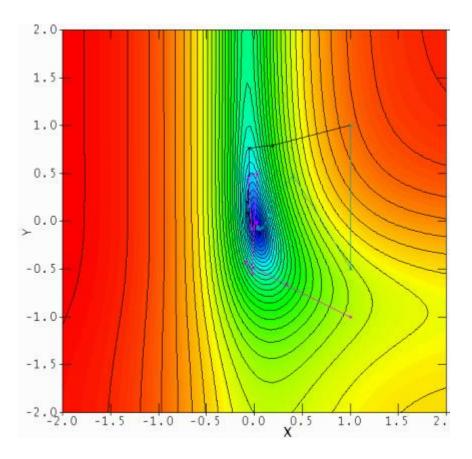


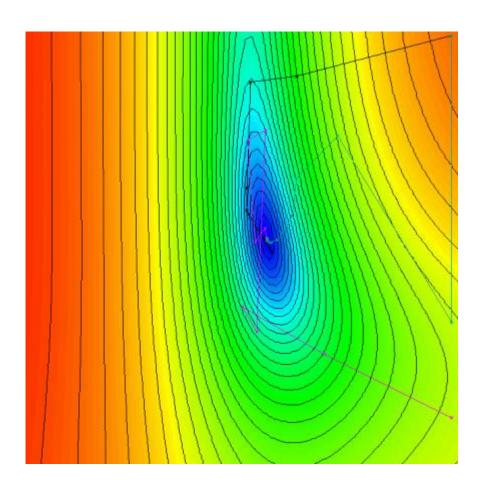


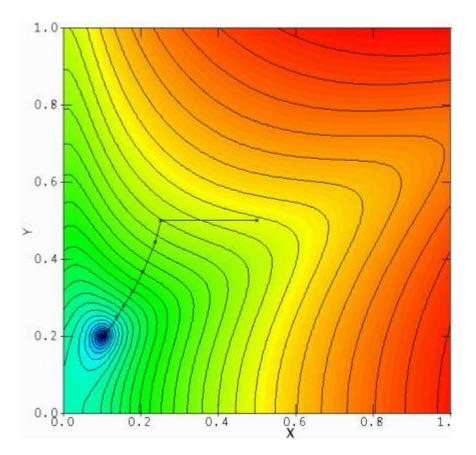


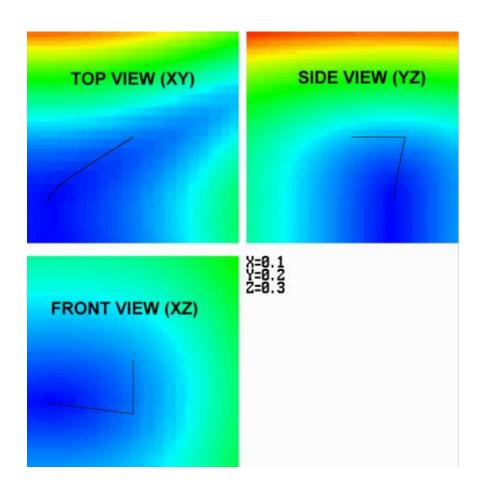


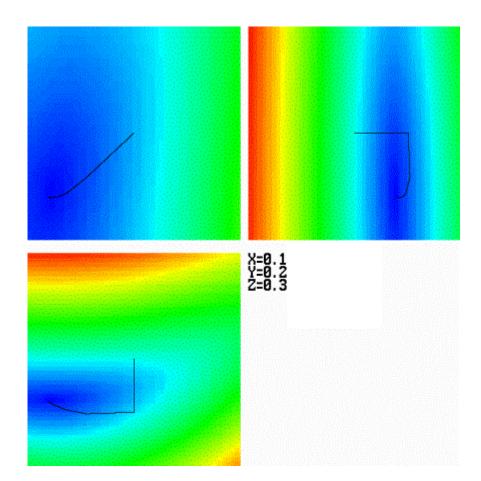


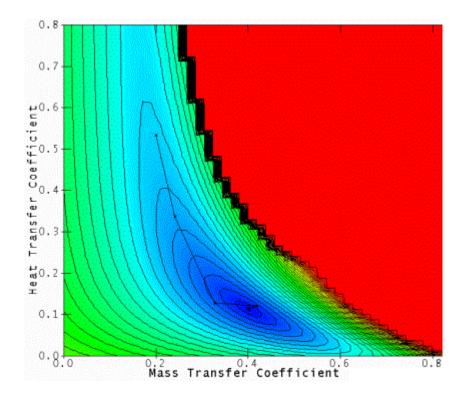


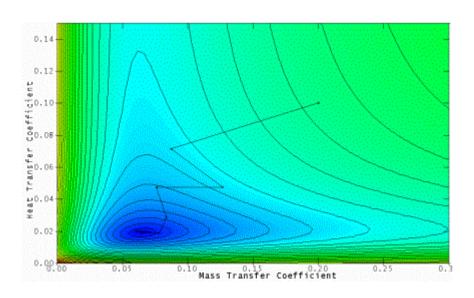


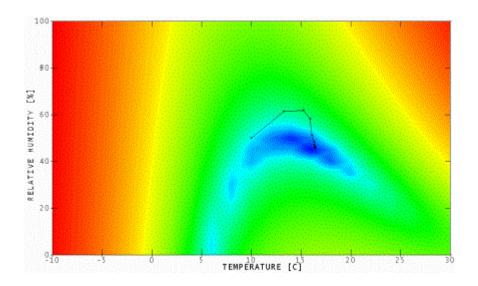


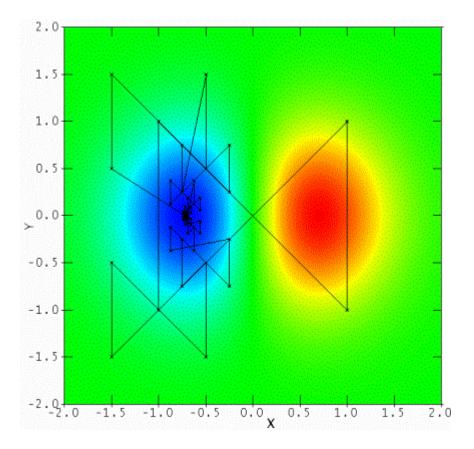


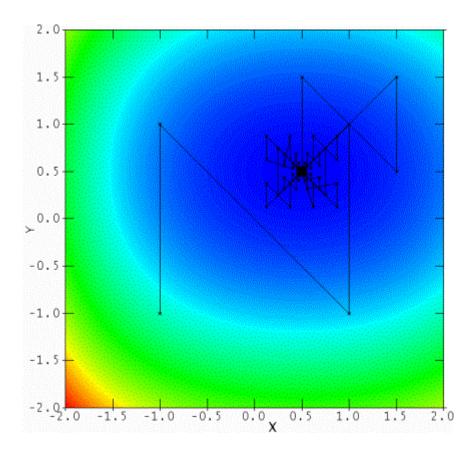


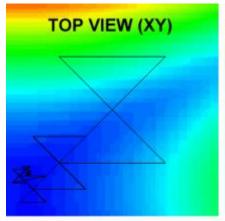


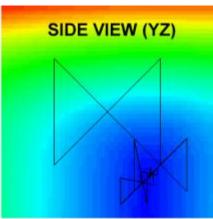


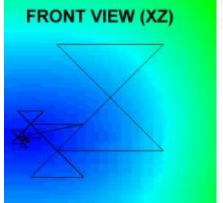




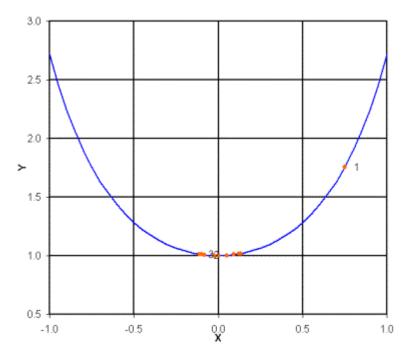


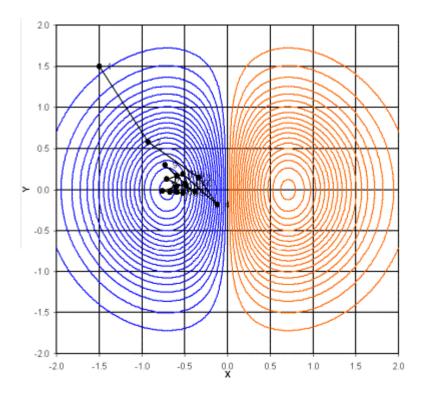


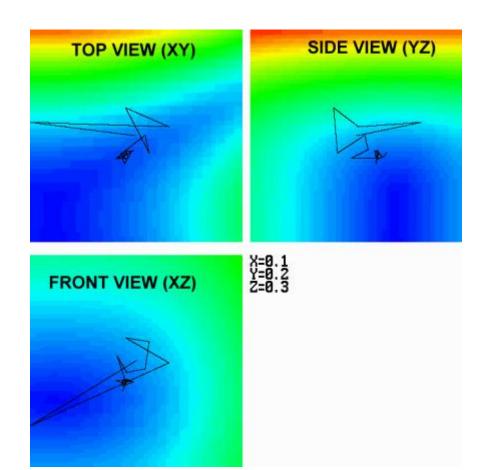


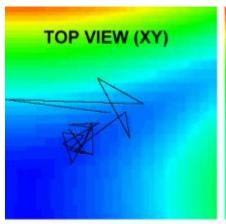


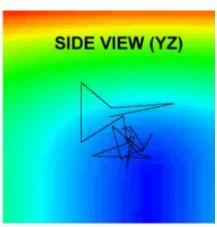
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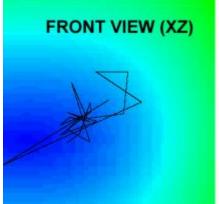




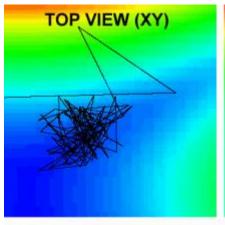


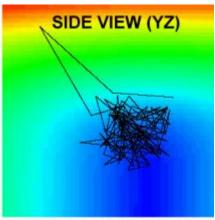


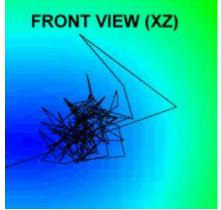




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X=0.1 Y=0.2 Z=0.3

