

MTH 337

Day 26 Thursday, April 17, 2008

Monte Carlo optimization exercise

Use the random walk technique described on Tuesday to find the place where the function

$$\tanh(0.4*((x[1]-17)^2+(x[2]+10)^2 + 2*\sin(x[1]+x[2])) + .1e-5*\exp(x[1]+x[2])) \\ +\tanh(0.6*((x[1]-2)^2 + (x[2]-5)^2) + .2e-3*\exp(x[1]+x[2]));$$

has its least value.

Write up as part of HW9.

Another optimization exercise

See handout. We will continue work on this on Tuesday.

Celebration of Academic Excellence

Walk over to College of Arts and Sciences Celebration of Academic Excellence

<http://celebrate.buffalo.edu>

Center for the Arts, 1:30-2:50pm

Assignment: Which student presentation did you like, and why? (HW9)

Note on Portfolio binding

You can use either a “comb” or a “Velobind”. Both are available at places such as Great Lakes Graphics and Printing (in UB Commons) for less than \$4. Please label the spine with MTH 337 Spring 2008 and your name.