

Closed form solution to quadratic fit?

Source: <http://sci.tech-archive.net/Archive/sci.math.num-analysis/2007-01/msg00267.html>

- *From:* "Stephen_B" <stephen@xxxxxxxxxxxxxxxx>
 - *Date:* 24 Jan 2007 11:25:02 -0800
-

Is there a closed form solution to this problem? I have a set of x,y pairs, and I would like to find the quadratic $a*x^2 + b*x + c = y$ that minimizes the worst case (absolute value) error between the actual data and the quadratic approximation. I'm not trying to minimize the least squared error, but the maximum error. Thanks.

Stephen

.