
Subject: Genetic algorithms and curve fitting
Posted by [robert.dimeo](#) on Thu, 27 Mar 2003 21:26:10 GMT
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Hi,

Over the past few years I have been writing IDL programs to analyze data by fitting to models using standard least-squares methods. The problems that we face here, however, sometimes are not amenable to the least-squares approach and, having multi-modal chi-squared surfaces, could benefit from a more robust global optimization. I have been working on a hybrid genetic algorithm/least squares function that appears to work "pretty well" for model fitting.

Has anyone on this newsgroup you used GAs or GA hybrids for data fitting? I am seeking someone with whom I can "compare notes" and discuss what works well and what does not. I am happy to share this code with anyone (especially if you're interested in helping me improve it!)

Many thanks in advance!

Rob

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