I have an arbitrary function, "funct", which is has 4 parameters.
I have input, "x" and output, "y". I would like to use a method
to search for the optimal 4 parameters. I found NR_DFPMIN, but
my function is quite complex and I cannot calculate analytical partial
derivatives. I also found SVDFIT which is supposed to work for
polynomials, but will also take arbitrary functions--I have tried to use
this, but it keeps crashing IDL. RSI says consult manual, and I cannot
find info on user-supplied functions.

If you know of another function (such as in NR, simplex method), or
can help me with SVDFIT or DFPMIN, I'd appreciate it.

I am running on a SUN with IDL ver 3.6.1.

Thanks,

Ken Kump

Biomedical Image Processing Laboratory
Department of Biomedical Engineering
Case Western Reserve University
Cleveland, Ohio 44106, USA

E-mail: kump@morph.ebme.cwru.edu