Subject: Re: Patch to userlib/deriv.pro to add MAX_VALUE keyword
Posted by schmitt on Mon, 27 Dec 1993 20:34:37 GMT

This is somewhat besides the point of the original posting, but it has to do
with a (granted, nitpicking) bug in the userlib routine deriv.pro.
You might as well fix it when you make the posted patch.

Basically, here's a use of "float(...)" in deriv.pro that is unneeded,
and makes the resulting answer wrong and/or inaccurate if any other type
of data (complex, double, ...&c) is passed as the Y value.
The unneeded usage of float occurs about here:

>   d = float(shift(y,-1) - shift(y,1))/(shift(x,-1) - shift(x,1))
          ^^^^^

remove the "float", and the applicability of the routine improves.

Andy Schmitt / Code 6730 / Naval Research Lab / Washington DC 20375
schmitt@this.nrl.navy.mil
usual disclaimers apply