Subject: Re: rebin question
Posted by David Fanning on Fri, 22 Mar 2002 19:14:32 GMT
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Jonathan Joseph (jj21@cornell.edu) writes:

> You could certainly write a function that takes an arbitrary number
> of arguments up to a limit, then use n_params to see how many you
> actually got. It looks like IDL only allows up to 8-dimensional
> arrays (which is a goodly number). I only wrote the 2-d case,
> but the n-d case should be possible.

I'm not sure "arbitrary" is the right word here.
One can write procedures and functions with a "variable"
number of arguments, up to some arbitrary (to RSI)
number of 100 or 200 or whatever it is. But each
variable *must* be defined on the procedure or function
definition line.

In the case of the function under discussion, you
could define 8 arguments (the first would probably
have to be a required argument, and the rest could
be optional). But you will need some kind of CASE
statement to call REBIN correctly:

```
  CASE N_PARAMS() OF
0: Message, 'Whoops> Wrong!"
     1: A = REBIN(arg1)
2: A = REBIN(arg1, arg2)
    ...
  ENDCASE
```

Cheers,

David
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