
Subject: Re: rebin question

Posted by [Mark Fardal](#) on Mon, 25 Mar 2002 06:50:21 GMT

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hradilv.nospam@yahoo.com (Vince) writes:

```
> Maybe you could write a function. Which leads me to a new question:
>
> Is it possible to define a function or procedure in IDL that can take
> an arbitrary number of arguments, e.g.:
>
> function my_rebin, a, arg1, arg2, ...
>
> return, round( rebin( float(a), arg1, arg2, ... ) )
> end
```

Sure. Something like this:

```
function my_rebin, a, $
  arg0, arg1, arg2, arg3, arg4, arg5, arg6, arg7, arg8, arg9
;continue to heart's content
```

```
narg = n_params()-1
command = 'result = round( rebin( float(a)'
for i = 0, narg-1 do begin
  command = command + string(', arg',i,format='(a,i0)')
endfor
command = command + ') )'
junk = execute(command)
return, result
end
```

I imagine there are limits placed on this technique by the maximum number of arguments to an IDL procedure, or the maximum length of a string EXECUTE can handle.

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