
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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