Subject: Re: Cumulative max() in *arbitrary* dimension? Posted by Craig Markwardt on Mon, 27 Feb 2012 07:25:39 GMT

View Forum Message <> Reply to Message

```
On Feb 24, 8:52 am, ameigs <andyme...@gmail.com> wrote:
> On Feb 23, 8:38 pm, Gianguido Cianci < gianguido.cia...@gmail.com>
> wrote:
>
>> Hi all,
>> I would like to write a generic version of the following, which is for a 3d movie:
>> res=movie
>> s=size(res, /dim)
>> FOR i = 1, s[2]-1 DO BEGIN
     res[*, *, i] = max(dim = 3, res[*, *, 0:i])
>> ENDFOR
>> So how to I generalize this to any dimension? I could make something with execute, but
there's gotta be a better way. I'm on IDL7.
>
>> Thanks,
>> Gianguido
> I am surprized that Craig Markwardt has not replied already, but here
> goes (using his CMAPPLY routine athttp://www.physics.wisc.edu/~craigm/idl/arrays.html):
> IDL> res = cmapply('max',movie,3)
I didn't reply because the original poster appeared to be asking for a
kind of "rolling" maximum, which CMAPPLY doesn't do. (i.e. MAX(res[*,
*, 0:i]) for each i)
Craig
```