Subject: Re: Cumulative max() in *arbitrary* dimension?
Posted by ameigs on Fri, 24 Feb 2012 13:52:12 GMT

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 at http://www.physics.wisc.edu/~craigm/idl/arrays.html):

IDL> res = cmapply('max',movie,3)

Andy

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

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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