
Subject: Re: Cumulative max() in *arbitrary* dimension?
Posted by [Craig Markwardt](#) on Mon, 27 Feb 2012 07:25:39 GMT
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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 at<http://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
