
Subject: Re: Cumulative max() in *arbitrary* dimension?

Posted by [ameigs](#) on Fri, 24 Feb 2012 13:52:12 GMT

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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
