
Subject: Re: sorting of a multi-dimensional array in only one "direction"/dimension
Posted by [Timm Weitkamp](#) on Thu, 02 Dec 2004 15:46:41 GMT
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Today at 15:19 +0100, Benjamin Luethi wrote:

> I have (let's say) 5 images in an array imgs=uintarr(1024,1024,5).
> I'd like to average pixel values over the 5 images, but only use the
> central three values of each position while discarding the minimum and
> maximum value.
>
> So far, I'm looping through all image positions (1024x1024!) [...]

There may be better ways, but this here does the job without a loop
(assuming you have IDL 5.6 or higher):

```
tot = TOTAL(imgs, 3)
min = MIN(imgs, DIMENSION=3)
max = MAX(imgs, DIMENSION=3)
avg = (tot - min - max) / 3.0
```

Cheers,
Timm

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