
Subject: Re: Maximum value array resampling
Posted by [JD Smith](#) on Mon, 08 Aug 2005 18:20:39 GMT
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By the way, since for processing many images of the same size you can pre-compute the indices, you might consider a small change to the modified loop method:

```
;; Pre-compute the indices:
d=size(x,/DIMENSIONS) & nx=d[0] & ny=d[1]
nx2=nx/2 & ny2=ny/2

inds1=rebin(lindgen(nx2)*2L,nx2,ny2,/SAMPLE)+ $
    rebin(transpose(lindgen(ny2)*2L*nx),nx2,ny2,/SAMPLE)
inds2=inds1+1L
inds3=inds1+nx
inds4=inds1+nx+1L

;; Form the sub-sampled image (for each image)
xmax=x[inds1]>x[inds2]>x[inds3]>x[inds4]
```

This brings the total processing time per 5000x4000 image to under 0.5s on my not-so-fast Linux box (and doesn't have any loops ;).

JD
