
Subject: Re: Maximum value array resampling

Posted by b_efremova@yahoo.com on Fri, 05 Aug 2005 19:18:41 GMT

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Hi,

I'm not able to do it without loops, but I can do it with less loops.

Here's a program that makes it in two ways. The first is what I think you probably are doing, and the second is twice faster for an array 2048x2048 ...you probably figured that much yourself, but since I did it... here it is:

```
PRO test,im,y1,y2
```

```
x=im
```

```
ss=size(im,/dimensions)
```

```
n1=ss[0]/2.
```

```
n2=ss[1]/2.
```

```
y1=fltarr(n1,n2)
```

```
y2=y1
```

```
;----- first way-----
```

```
t10=systime(1)
```

```
  for i=0,n1-1 do for j=0,n2-1 do begin
```

```
    y1[i,j]=x[2*i,2*j] > x[2*i+1,2*j] > x[2*i,2*j+1]>x[2*i+1,2*j+1]
```

```
  end
```

```
print,'time1=',systime(1)-t10
```

```
;----- secon way-----
```

```
t20=systime(1)
```

```
  for i=0,n1-1 do x[i,*]=x[2*i,*] > x[2*i+1,*]
```

```
  for i=0,n2-1 do y2[* ,i]=x[0:n1-1,2*i] > x[0:n1-1,2*i+1]
```

```
print,'time2=',systime(1)-t20
```

```
;-----
```

```
END
```
