Subject: orthogonal array projections
Posted by deb on Wed, 20 Nov 1996 08:00:00 GMT
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I'm trying to make a 2-d projection of max amplitude in a 3-d image array. The following bit of Fortran-esque code does what i want, but it's excruciatingly slow:

```
for k=0,n-1 do begin
    for l=0,z-1 do begin
        ayz(k,l)=max(image(low:hi,k,l)
    endfor
endfor
```

Is there a way to do this without using loops? If i simply say

```
ayz(*,*)=max(image(low:hi,*,*))
```

i end up with the max value over the whole array and not the max value in each depth bin in the array. (which makes sense looking at the code, but i can't figure out how to isolate each depth bin w/o using the loop business). Voxel_proj and Project_vol are overkill for this application (and even slower than the loop stuff anyway).

Any thoughts would be greatly appreciated:)

-Deb Summa
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