
Subject: Re: orthogonal array projections
Posted by [davidf](#) on Thu, 21 Nov 1996 08:00:00 GMT
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Deb Summa <summa@lanl.gov> writes:

```
> 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
>     endfor
>
> Is there a way to do this without using loops?
```

Just off-hand, here is one thing you might try to speed things up. This will return the maximum value in each column of numbers between low and hi.

```
FOR j=low, hi DO BEGIN
  ayz(*,*) = ayz(*,*) > image(j, *, *)
END
```

David

```
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*
```

```
* Sometimes I go about pitying myself, and all along my
* soul is being blown by great winds across the sky.
*
* -- Ojibway saying
```
