Subject: Re: A Lookup-table-ish problem
Posted by deutsch on Thu, 29 Apr 1993 21:32:35 GMT
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In article <1rp3hoINNr48@elroy.jpl.nasa.gov>, ian@gomez.jpl.nasa.gov (H. Ian Novack) writes:
> A problem for everyone to ponder:
>
> I have some water vapor image data that I'm converting to elevation. To do
> this, I have what amounts to two look-up tables of values. In other words, I
> have an array of water vapor values and an array of corresponding elevation
> values. I wish to take my water vapor image and make it into an elevation
> image. I hacked a routine to do this (using WHERE()), but it takes forever
> to run (on a 512x614 image) as it has several layers of loops.
>
> Is there something in IDL (v 3.0.0) or its userlib that does this? Anything
> like efficiently?
>

You can directly subscript a look-up table with the desired data.

e.g.:

```
IDL> a=indgen(3,3)
IDL> lut=[100,101,103,114,109,106,11,108,109,110,111,112]
IDL> print,lut(a)
    100    101    103
    114    109    106
     11    108    109
```

sound like what you're after?

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