

---

Subject: A Lookup-table-ish problem

Posted by [ian](#) on Thu, 29 Apr 1993 17:33:44 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

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?

| -Ian Novack (Particle Man)-----ian@gomez.jpl.nasa.gov-|  
| "I am trying to fill a silent moment with Jet Propulsion Lab |  
| non-relevant conversation." -- Lt. Cmdr. Data Pasadena, CA |  
| -Disclaimer: Had this been an actual opinion, it would still be mine.-----|

---