Subject: efficient comparing 1D and 3D arrays
Posted by Jelle on Wed, 11 Jun 2008 10:28:44 GMT
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Hi All,

At the moment I am trying to find pixels that fall within a certain value range for each pixel, as part of a recursive image exploration routine.

Say I have the following data:

imgdata = fltarr(NB, NS, NL)
MinVals = fltarr(NB)
MaxVals = fltarr(NB)

Now I would like to efficiently find out
where((imgdata GT MinVals) and (imgdata LT MaxVals))

I have been pottering along trying to do this with the full arrays, but the only way I can get an answer is by using many loops comparing individual bands or pixels. There must be an easy memory-efficient way to do this..?

Does anybody have some suggestions for me here?

Cheers,