Subject: Re: Help assigning values to ranges of elements in an array???
Posted by peter on Thu, 12 Oct 1995 07:00:00 GMT
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Julian Marshall (jgm@nntp.unsw.EDU.AU) wrote:
: Hi.
: I was hoping someone could help me by suggesting a way by which
: I can assign values to a range of elements in an array. To be
: more exact, I want to make elements 0 to 100 (for eg.) of a
: 200 element array equal to a value or equal to values in a 100
: element array.
: Of course I can use for loops but I feel this is inefficient and
: a bit annoying when handling 256*256*256 bytarrs.
: IDL allows one to use an array operation to specify a range of
: values in an array (ie. A=B>10) but is it possible to use an
: array operation to specify a range of elements.
: Thanx

: julian
: jgm@newt.phys.unsw.edu.au
: .
:

You can specify a subarray on the LH side of an equation, so, for example,

A(0:10) = 8

or

A(0:10) = B(10:20)

are legal, provided A is already allocated and big enough. For assignment to more complicated shapes within A, you can collect all the desired subscripts into another array, say, C, and use that to index A

A(C) = 0

Have a look at the chapter on array subscripting in the IDL manual, it really is quite powerful.

Peter

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