
Subject: Re: Can this be vectorized?

Posted by [Struan Gray](#) on Tue, 26 Oct 1999 07:00:00 GMT

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John E. Davis, davis@space.mit.edu writes:

> What is the best way to vectorize this?

In IDL an alternative to vectorisation is to use the fast built-in function HISTOGRAM. In your case you should take the histogram of 'I' and use the REVERSE_INDICES keyword to get a list of which elements are in which bin. Summing the same elements of 'X' will give you the answer you want. This will work even if 'I' and 'X' are not in ascending order. There is some memory overhead, but it is of the same order as creating working copies of your original data.

Struan
