Subject: Re: Speedy way to get compare array elements. . .
Posted by Jaco van Gorkom on Thu, 28 Nov 2002 16:13:58 GMT
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"trouble" <the_cacc@hotmail.com> wrote in message
news:5f9f0a23.0211280658.71bff9f4@posting.google.com...
> Craig Markwardt <craigmnet@cow.physics.wisc.edu> wrote in message
news:<on4raklqpk.fsf@cow.physics.wisc.edu>...
>> ...The cool thing about the trick is that IDL *automatically* truncates
>> the vector A so that it matches the length of A[1:*].
>
> Ah, but is there any way to not make it do that? Say you have 2
> vectors of different lengths:
>
> x = findgen(50)
> y = findgen(100)
>
> and you want to form z = x * y, but have z the same length as y
> putting zeros where x has no value. The (sorry) way I am doing it is
>
> z = y * 0
> z[0:49] = x * y
>
> which clearly is too much programmer work since I have to get the
> lengths... Any ideas?

Well, inserting an array into a subrange of another array can also be
done by specifying just the start index. So your
  z[0:49] = x * y
is equivalent to
  z[0] = x * y
In fact, the second option executes quite a bit faster.

cheers,
  Jaco