Subject: Re: Padding arrays - vector subscripts not working
Posted by penteado on Fri, 02 Jul 2010 20:01:42 GMT
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On Jul 2, 3:45 pm, James <donje...@gmail.com> wrote:
> By the way, I would like my final program to work on arrays with any
> number of dimensions, so I'd rather avoid a kludge like X[diff[0],
> diff[1], diff[2]] = Y.

As I wrote above, X[diff[0],diff[1],diff[2]] is not the same as X[diff]. What you seem to want is the equivalent of X[diff[0], diff[1], diff[2]] = Y, but working for any number of dimensions. That is, assign the elements of Y to a contiguous piece of X that starts at some location you calculate with the N-dimensional indexes. So it is just a matter of converting from those N indexes the a 1D index of that element:

```
IDL>  strides=[1L,product(size(x,/dimensions),/integer,/cumulative )]
IDL> start_index=total(strides*diff,/integer)
```

Then you can do X[start_index]=Y