Subject: Re: Generally accessing the rest of the elements in an array
Posted by thompson on Wed, 21 Feb 2001 00:12:20 GMT
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"tbowers" <tbowers@nrlssc.navy.mil> writes:

> How do I access the 2nd + dimensions of an array generally, without knowing
> the
> number of higher dims this array has. E.g. say a is a 3 column by
> n-dimensional
> aray, and n is unknown. Here, I'll define it as:

> a = indgen(3,2,4)

> I want the equivalent of (in this case):
> b = (a[0,*,*])^2 + (a[1,*,*])^2 + (a[2,*,*])^2

(rest deleted)

You should be able to do something like the following:

```
b = a[0,*,*,*,*,*,*,*]^2 + a[1,*,*,*,*,*,*,*]^2 + a[2,*,*,*,*,*,*,*]^2
```

even though A might not have so many dimensions. With your above example, you would then get

```
IDL> help,b
B               INT       = Array[1, 2, 4]
```

William Thompson