Subject: Re: 9 dimensions arrays
Posted by Kenneth P. Bowman on Tue, 07 Dec 2004 05:09:12 GMT

In article <MPG.1c1eb6cc10c06fca98989b@news.frii.com>,
 David Fanning <davidf@dfanning.com> wrote:

> Francois writes:
>
>> How to create nine dimensions (9D) arrays ?
>>
>> The command make_array takes only 8 dimensions...
>> It seems the same for intarr, fltarr, etc.
>
> That's right. Eight is the limit in IDL.

Well, you could make your own n-dimensional arrays by using
one-dimensional arrays and writing your own subscripting function, e.g.,

dims = [n1, n2, n3, n4, n5, n6, n7, n8, n9]
x = FLTARR(PRODUCT(dims))
x[MY_INDEX(i1, i2, i3, i4, i5, i6, i7, i8, i9, DIMS = dims)] = ...

The MY_INDEX function would convert from subscripts to 1-D array index
(what IDL does for normal subscripts internally).

Of course, it wouldn't be particularly fast. ;-)

Ken Bowman