Subject: Re: Assignment Time for a 3d Variable
Posted by K. Bowman on Wed, 23 Nov 2005 18:16:53 GMT

In article <1132768280.23827.0.camel@localhost.localdomain>,
 Antonio Santiago <santiago@grahi.upc.edu> wrote:

> Also I note that it depends on the language IDL is implemented. By
> default all ANSI C compilers use row major mode.
> See the other post for the link to an example :)

IDL uses the Fortran convention for storage of arrays, that is, the first
subscript varies fastest.

"The fact that the elements of the first dimension are contiguous means that the
elements of each row of an image array are contiguous. This is the order
expected by most graphics hardware, providing an efficiency advantage for
languages that naturally store data that way. Also, this ordering minimizes
virtual memory overhead, since images are accessed linearly."

Ken Bowman