Subject: Re: is there a command in IDL like bitget command in matlab?
Posted by mmeron on Wed, 14 Jun 2006 04:56:46 GMT

In article <zzbatmos-A42A7E.23210713062006@news.tamu.edu>, zzbatmos
<zzbatmos@tamu.edu> writes:
> Hi all,
> Does anyone know that whether there is command in IDL to get the value
> of a bit in a integer, just like the bitget command in MATLAB?
>
You can use AND for this purpose. For bit #n (count starts at zero)
of integer x do

 bit = (x and 2^n)/2^n

more generally you can generate an array, say for 32 bits, by

 arr = 2l^(lindgen(32))

and get all the bits of a given integer by doing

 res = (x and arr)/arr

Mati Meron | "When you argue with a fool,
meron@cars.uchicago.edu | chances are he is doing just the same"