Subject: Re: Reading 32-bit complex numbers in IDL (16-bit real / 16-bit imaginary)
Posted by Carsten Lechte on Sun, 07 Aug 2011 15:52:42 GMT

On 08/07/2011 02:01 PM, Waqas A. Qazi wrote:
> 32-bit imaginary. How can I read the 16-bit real - 16-bit imaginary
> complex number in IDL?

This looks like half precision floats
< https://secure.wikimedia.org/wikipedia/en/wiki/Half_precisio n_floating-point_format>.
However, there are several variants. Do you have any description of your data file that
mentions IEEE 754?

I am not aware of any programming language that supports this format natively. Maybe
this link in the wikipedia article can help you:
<http://www.mathworks.com/matlabcentral/fileexchange/23173>

Else you would have to do the bit fiddling yourself to promote them to 32bit.

chl