
Subject: Re: Imaginary is narrow minded
Posted by [davidf](#) on Tue, 02 Sep 1997 07:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

Now I'm really brainstorming. Here is another
program for Brian Jackel:

```
FUNCTION IF_IMAGINARY, variable
types = ['UNDEFINED', 'BYTE', 'INTEGER', 'LONG', 'FLOAT', $
        'DOUBLE', 'COMPLEX', 'STRING', 'STRUCTURE', $
        'DCOMPLEX', 'POINTER', 'OBJECT']
s = Size(variable)
thisType = types(s(s(0) + 1))
IF thisType EQ 'COMPLEX' THEN RETURN, Imaginary(variable) $
ELSE RETURN, 0.0
END
```

Then, you can do this:

```
imaginaryPart = IF_IMAGINARY(variable)
```

Cheers,

David

David Fanning, Ph.D.
Fanning Software Consulting
Customizable IDL Programming Courses
Phone: 970-221-0438 E-Mail: davidf@dfanning.com
Coyote's Guide to IDL Programming: <http://www.dfanning.com>
