
Subject: what is i in idl 4.0 ?

Posted by [John Stanly Videen](#) on Mon, 09 Aug 1999 07:00:00 GMT

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Help,

Does anyone know what the system variable representation for i is in idl 4.0?

[where i = sqrt(-1)]

In idl 3.6, it used to be !j, but this doesn't seem to work in 4.0....

eg. this code works in 3.6, but not 4.0:

```
phase=atan(imaginary(data_ref), float(data_ref))
temp=exp(- phase * !j )
data=temp*data
```

john
