
Subject: Writing $\exp(-j\pi)$ in IDL

Posted by [alghafisuct](#) on Mon, 04 Jan 2016 09:08:38 GMT

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Hi

I was trying to write a code and I have problem with the $-j$ as the following in IDL

```
Phase = array_VV*conj(array_HH*exp(j*pi/180))
```

```
Result_Phase = image(180/pi*ATAN(Phase*exp(-j*Offset_degree/180*0)))
```

I had problem with defining the $-j$ and j and do not know how to do it in IDL is there other way?

I'm trying the same thing in MATLAB as follow and it's working

```
Phase = array_VV*conj(array_HH*exp(j*pi*0))
```

```
imagesc(180/pi*angle(Phase*exp(-j*Offset_degree/180*pi)))
```

I guess I did not present j and $-j$ and there is a way of doing it in IDL

Thanks
