
Subject: Re: imaging Complex numbers

Posted by [Klaus Scipal](#) on Thu, 01 Mar 2001 10:03:16 GMT

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i am not quite sure if i understood your problem but if you want the real and imaginary part of a complex number use float and imaginary functions

c_imaginary=Imaginary(c)

c_real=Float(c)

klaus

Sean Heukels <sean77=cuthere=@dds.nl> wrote in message
news:9712lf\$e40\$1@newshost.accu.uu.nl...

> complex data from OUR NMR console.

> Thus all the pictures are covered to real-space through fourier transform

> and ABS() to make the comlex array a number.

>

> But, what if I want to image the Real and Imaginary part seperately as well?

> I can't split the real and imaginary part out in an array, after I have set

> COMPLEX.

> Any ideas?? An example

> E=FLTARR(3,3)

> C=COMPLEX([1,2,3], [3,4,5])

> E(*,*)=C

>

> UNCOMPLEX ???

> I don't know

>

> ps. Is there someone else who uses these kind of algorithms for NMR/MRI in

> IDL, or other programs also regarding NMR image processing?

>

>

>

>

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Subject: Re: imaging Complex numbers

Posted by [Ivan Zimine](#) on Thu, 01 Mar 2001 10:20:21 GMT

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Sean Heukels wrote:

>

> An example

```
> E=FLTARR(3,3)
> C=COMPLEX([1,2,3], [3,4,5])
> E(*,*)=C
```

I don't think you can store 6 numbers in 9 el array this way.

```
>
> UNCOMPLEX ???
```

```
C_real = float(c)
C_imag = imaginary(c)
```

Ivan

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```
