
Subject: Fractional SHIFT

Posted by [the_cacc](#) on Mon, 03 Dec 2001 17:45:23 GMT

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Hi,

Does anyone have a method for doing non-integer shifts ? Interpolate doesn't wrap in the way SHIFT does and my hack (based on MOD) is a bit dodgy.

To shift orig by 1.5 pixels:

```
orig = FINDGEN(10)
```

```
index = FINDGEN(10)
```

```
delta = 1.5
```

```
index2 = (index+delta) MOD 10
```

```
new = INTERPOLATE(orig,index2,/GRID)
```

```
PRINT,new
```

```
    1.50000    2.50000    3.50000    4.50000    5.50000
6.50000
    7.50000    8.50000    9.00000    0.500000
```

The 2nd last element of new is wrong (should be 9.5).

Does anyone know a robust way ?

Ciao.
