
Subject: Sinc interpolation

Posted by [the_cacc](#) on Mon, 16 Jun 2003 13:40:10 GMT

[View Forum Message](#) <> [Reply to Message](#)

OK, I'm stuck. Can someone show me how to sinc interpolate? My code does not do it very well... at all.

Thanks.

PRO sinc_interpolate

; Sinc interpolation (1D).

n = 10

; Indices for which we have values.

ix = FINDGEN(n)

; The actual values.

y = findgen(n)

; Want value at this point.

x = 5.2

; Distances.

d = ABS(ix - x)

```
; Sinc.
```

```
s = SIN(d) / d
```

```
; Calculate value.
```

```
val = TOTAL(s * y)
```

```
print,'Sinc',val
```

```
print,'True',x
```

```
END
```
