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Subject: Sinc interpolation

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

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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

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