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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Subject: Re: Sinc interpolation
Posted by the_cacc on Mon, 23 Jun 2003 14:55:30 GMT
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Coo-ee, anyone there?

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Subject: Re: Sinc interpolation
Posted by Craig Markwardt on Mon, 23 Jun 2003 15:27:38 GMT
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the_cacc@hotmail.com (trouble) writes:
> OK, I'm stuck. Can someone show me how to sinc interpolate? My code
> does not do it very well... at all.
[ new post ]
> Coo-ee, anyone there?

Since you appear to be using a pig call, I'm not sure I should
respond. :-)

Have you checked/used other sinc interpolation codes on-line?
Example: Buie library function SINT().

Craig

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Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
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Subject: sec : U Re: Sinc interpolation
Posted by Andrew Cool on Mon, 23 Jun 2003 23:16:26 GMT
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Craig Markwardt wrote:
>
> the_cacc@hotmail.com (trouble) writes:
>> OK, I'm stuck. Can someone show me how to sinc interpolate? My code
>> does not do it very well... at all.
> [ new post ]
>> Coo-ee, anyone there?
>
> Since you appear to be using a pig call, I'm not sure I should
> respond. :-)
>

Craig,

Pig call indeed!

Coo-ee is a time-honoured, traditional Australian bushman's call
for long distance communication.

Didn't you ever watch the 1960's Aussie TV show "Skippy the Bush
Kangaroo?"

Shame on you. Thanks to that show, every Aussie kid knew how to whistle
up
a helpful kangaroo using a gumleaf.

Andrew

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