Subject: Re: PSF Energy inside circle
Posted by Bob[3] on Tue, 29 Jul 2008 15:38:23 GMT
View Forum Message <> Reply to Message

On Jul 25, 1:18 pm, "Kenneth P. Bowman" <k-bow...@null.edu> wrote:
> In article
> < 808314ce-4419-478d-8593-bc94dd7f1...@p25g2000hsf.googlegroup s.com >,
> Bob Crawford <Snowma...@gmail.com> wrote:
>
>> Is there an advantage of using this method to determine d over using
>> DIST?
>
> DIST computes a different function.
>
> !P.MULTI = [0, 2, 1]
> x = FINDGEN(51)
> xx = REBIN(x, 51, 51)
> yy = REBIN(REFORM(x, 1, 51), 51, 51)
> d = SQRT((xx - 25.0)^2 + (yy - 25.0)^2)
> SURFACE, d
> SURFACE, DIST(51)
>
> The Euclidian distance is a circular cone. DIST computes an
> array proportional to the frequency of each element.
>
> Ken Bowman

Thank you - but I was referring to the simplified situation as
described in this post:
http://groups.google.ca/group/comp.lang.idl-pvwave/browse_th
read/thread/69b7be558f84e5be/2c185f37b1f50503?hl=en&lnk= gst#2c185f37b1f50503

i.e. replace:
SURFACE, DIST(51)

with:
SURFACE, SHIFT(DIST(51),25,25)