
Subject: Re: PSF Energy inside circle

Posted by [Kenneth P. Bowman](#) on Fri, 25 Jul 2008 17:18:41 GMT

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In article

<808314ce-4419-478d-8593-bc94dd7f1789@p25g2000hsf.googlegroups.com>,
Bob Crawford <Snowman42@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
