
Subject: Re: circles

Posted by [pit](#) on Wed, 16 Jul 1997 07:00:00 GMT

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

In article <5qd140\$cck\$1@gwdu19.gwdg.de>,

pit@re.uni-sw.gwdg.de (Peter Suetterlin) writes:

> In article <33C6A55C.E92FBB0D@kprwww.na.astro.it>,

> Kevin Reardon <kreardon@kprwww.na.astro.it> writes:

>> The previous suggestion by Peter Suetterlin (pit@uni-sw.gwdg.de) of:

>> `img = (shift(dist(X,Y),x0,y0)) LT R`

>> doesn't seem to work if `x0` and `y0` are not equal to `X/2` and `Y/2`

>> (i.e. the circle is not centered) because of wrapping problems when

>> the array is shifted.

>

> Strange, what system/version are you using?

> I checked it before posting, and just again on three different systems

> (Linux, SunOS, HP-UX) with IDL 4.01 and 3.0.0:

Yes, Kevin was right, my suggestion doesn't work in all cases, as he wrote me by email:

The radius `R` of the circle has to be smaller than the shift amounts `x0` and `y0`, and also smaller than `(X-x0)` and `(Y-y0)`, or the edge-wrapping of the `SHIFT` function will produce strange results. Sorry :-/

Peter

--

~~~~~  
~~~~~

Peter "Pit" Suetterlin <http://www.uni-sw.gwdg.de/~pit>

Universitaets-Sternwarte Goettingen

Tel.: +49 551 39-5048

pit@uni-sw.gwdg.de

-- * -- * ...-- * -- * ...-- * -- * ...-- * -- * ...-- * --

Come and see the stars!

<http://www.kis.uni-freiburg.de/~ps/SFB>

Sternfreunde Breisgau e.V.

Tel.: +49 7641 3492
