Subject: Re: Calculate maximum diameter? Posted by Jeff N. on Mon, 06 Feb 2006 22:36:24 GMT

View Forum Message <> Reply to Message

Yep, it does need to go through the center. I may end up using a fitted ellipse as a starting point, so we'll just see what works best. Thanks for the ideas!

Jeff

kuyper@wizard.net wrote:

- > Jeff N. wrote:
- >> Hi folks,

>>

- >> I have a set of roughly circular ROI's for which I want to compute the
- >> maximum diameter the longest straight line from one point on the
- >> boundary of the ROI, through the center, to the opposing boundary.

>

- > Is it essential that it go through the center? In many contexts its
- > more useful to know the length of the longest straight line from any
- > given vertex to any other vertex. There's a pretty obvious O(N^2)
- > algorithm for finding that maximun distance.