
Subject: Calculate maximum diameter?

Posted by [Jeff N.](#) on Sat, 04 Feb 2006 20:28:07 GMT

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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. Any ideas about the best way to do this? I do a loop I guess....compute the diameter for all 360 degrees around the center. Principal components analysis also springs to mind, but some of these ROI's have different scales in the x and y dimensions. Can anyone help?

Jeff
