Subject: Re: Minimum area ellipse - quadratic optimisation?
Posted by greg michael on Tue, 21 Feb 2006 15:56:38 GMT
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Thinking some more, I think I'd not pick the furthest point to choose the axis, but find the direction with greatest moment (is that what it's called?) - i.e. maximise sigma (r.cos(th-phi)), varying ph, with r, th defining the point position from your centre. You might then pick radii which enclose some sensible proportion of the points (90%) to get better representative ellipses.

greg