Subject: Re: How to get the center and radius for a x,y array
Posted by Vince Hradil on Sat, 07 Feb 2009 01:06:37 GMT
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On Feb 6, 7:05 pm, Vince Hradil <vincehra...@gmail.com> wrote:
> On Feb 6, 6:52 pm, oupin <hhb1...@gmail.com> wrote:
>
>> On Feb 7, 12:19 am, Vince Hradil <vincehra...@gmail.com> wrote:
>
>>> On Feb 6, 10:09 am, oupin <hhb1...@gmail.com> wrote:
>
>>>> I want to get the center and radius for a 2-D array which includes x,y
>>>> values. Could you give me some suggestions and examples?
>
>>> We're going to need more details. You have (x,y) pairs? Do you want
>>> Center-of-mass? What do you mean by "radius"? Do you want to fit a
>>> circle?
>
>> Yes, I have (x,y) pairs, and want to fit a circle using these data,
>> and calculate the center and radius of the circle.
>
> Ah - so just minimize sum{ r*r - ((xi-xc)*(xi-xc) + (yi-yc)*(yi-
> yc)) } to find [r,xc,yc].

Is that right - I'm getting tired... it's something like that anyway.