Subject: Re: How to detect ellipse intersection
Posted by ben.bighair on Sat, 08 May 2010 18:58:19 GMT
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On May 7, 10:25 am, pp <pp.pente...@gmail.com> wrote:
> On May 7, 11:10 am, Paolo <pgri...@gmail.com> wrote:
>
>> first, select pairs that could possible have an intersection
>> (i.e. distance between centers less or equal the larger of the
>> two semimajor axes) - no point in bothering with far apart pairs.
>
> No, the distance should be less or equal to the sum of the two
> semimajor axes.
>
> Another selection which may also reduce the number for which the
> complicated test is needed is to find those with distances less than
> the sum of the two semiminor axes, since these intercept regardless of
> their orientation.

Hi,

You might be able to adapt this description for intercepting circles
in a plane.

http://local.wasp.uwa.edu.au/~pbourke/geometry/2circle/

Cheers,
ben