Subject: Re: yet another 2d matching question
Posted by Gray on Sat, 31 Jul 2010 11:47:14 GMT
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On Jul 30, 6:23 pm, JD Smith <jdtsmith.nos...@yahoo.com> wrote:
> Paulo spotted the issue. What determines whether a given point in the
> search list "is not matched to a closer point"? Your 1-to-1 match
> will be sensitive to the input ordering of the target list. The
> intention of match_radius is to specify the maximum separation beneath
> which all matches are "equally good". For example, the statistical
> uncertainty in the position itself. Multiple matches would then imply
> either is an equally good match. If you still wanted to do this (for
> example if you are conducting a match for which sub-match_distance
> separations are still meaningful), it will have to be a pre- or post-
> processing step, since all matches are performed in parallel (which is
> what gives MATCH_2D its speed).
>
> JD

Hmm... if all matches are equally good within the match_distance, then
how does match_2d prioritize matches when there is more than one
source in list b within the match radius of list a? This could happen
when, for example, the positional accuracy of the sources in each list
is low, but there is a possible shift (translation+rotation+etc.)
between the members of the two lists which necessitates a larger match
radius.