Subject: Re: x-y offsets
Posted by Gray on Tue, 18 May 2010 21:08:55 GMT
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On May 18, 4:29 pm, Gray <graylikethecо...@gmail.com> wrote:
> Hi all,
>
> This is a variation on the 2D matching problem that I'm having trouble
> algorithm-ing (to coin an incredibly awkward word).
>
> I have two sets of XY coordinates of unequal length (i.e., x1/y1/n1,
> x2/y2/n2, n1 ne n2). I want to find offsets in both X and Y that
> match the two sets as closely as possible (there will obviously be
> some unmatched coordinates in the larger set). I'm just looking for
> constant offsets, so basically (for n1 < n2) x1 + Cx -> x2, y1 + Cy ->
> y2, with some elements of x2 and y2 being unmatched. How do I go
> about doing this? I don't think I can use JD's MATCH_2D because I
> don't know a priori what my matching radius is.
>
> Any suggestions? Thanks, as always!
>
> --Gray

To clarify, there can be unmatched coordinates in both lists, but one
of them is guaranteed to have unmatched coords unless n1 = n2 (which
is possible in my scenario, but unlikely).