
Subject: Looking IDL-code for matching XY-lists.

Posted by Octavi Fors on Thu, 11 Mar 1999 08:00:00 GMT

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<!doctype html public "-//w3c//dtd html 4.0 transitional//en">
<html>
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```
<pre>Hello all,</pre>
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<pre>My question is about the existence of a routine able to perform pattern-matching of</pre>
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<pre>XY-coordinate lists. Up to now, I've been using astronomical software</pre>
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<pre>such as IRAF. In particular I used IRAF/immatchx/xyxymatch routine which is an
IRAF</pre>
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<pre>implementation of the E.Groth's algorithm (described in Groth E.J., Astronomical Journal 91,
5, 1986).</pre>
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<pre>This approach is based on a similar triangles technique, which is more</pre>
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<pre>robust to scale changes, shift and rotation than the usual minimum distance criteria.</pre>
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<pre></pre>
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<pre>Do you know some IDL-code which performs one of these algorithms, either triangles
or</pre>
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<pre>minimum distance?&nbsp;
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<pre>Thanks in advance,</pre>
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<pre>Octavi.
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<pre>--&nbsp;
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