## MoLRec at CLEF 2012

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## Sample Rule: Wavy Bond

## . $\left\{L_{1}, L_{\}}\right.$is a set of line segments

2. Each $L_{i}$ has length compatible with a dash length.
3. All $L$ are connected.
4. The centre points of $\mathrm{L}_{\mathrm{i}}$ are approximately collinear
5. Two elements of L dash-neighbour precisely one other element of L . All other elements of L dash-neighbour
precisely two other elements of $L$.
6. Two segment end points that are not connected to other segments must be the pair of end points that are furthest apart.
Consequence. A wavy bond betwints. The newn

## Results

Four Runs on the Normal Automatic Evaluation) Set (865 images)

| Run | \#Recognitions | \# Mis-Recognitions | Accuracy |
| :---: | :---: | :---: | :---: |
| 1 | 832 | 33 | $96.18 \%$ |
| 2 | 821 | 44 | $94.91 \%$ |
| 3 | 821 | 44 | $94.91 \%$ |
| 4 | 832 | 33 | $96.18 \%$ |

Four Runs on the Challenging ${ }_{(95}$ (Manual Evaluation) Set (95 images)

PROBLEM CASES


Broken Components


Markush Structures


