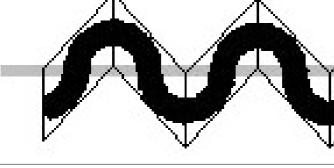


1. $\{L_1, \ldots, L_n\}$ is a set of line segments. 2. Each L_i has length compatible with a dash length. 3. All L_i are connected. 4. The centre points of L_i are *approximately collinear*. 5. Two elements of L dash-neighbour precisely one other element of L. All other elements of L dash-neighbour 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 between the furthest two endpoints. The new wavy bond has unknown direction.



MOLRECAT CLEF 2012

Noureddin M. Sadawi, Alan P. Sexton, and Volker Sorge URL: www.cs.bham.ac.uk/~nms|aps|vxs School of Computer Science, University of Birmingham

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

Four Runs on the Challenging

(Manual Evaluation) Set

(95 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%
Run	# Recognitions	# Mis-Recognitions	Accuracy
Run 1	# Recognitions 44	# Mis-Recognitions 51	Accuracy 46.32%
1	44	51	46.32%

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%	
Run	# Recognitions	# Mis-Recognitions	Accuracy	
Run 1	# Recognitions 44	# Mis-Recognitions 51	Accuracy 46.32%	
1	44	51	46.32%	