

Dataset	20% CS		KMEANS	GT
	PCCC	PCCC-N2-S		
n300-k10-s10	4.9	4.9	4.9	5.0
n300-k10-s20	18.7	18.7	17.8	19.3
n300-k10-s30	38.7	38.7	33.9	41.5
n300-k10-s40	61.6	62.5	48.3	69.8
n300-k10-s50	80.8	81.4	58.1	102.0
n300-k20-s10	7.1	7.0	6.3	6.2
n300-k20-s20	19.3	19.4	16.3	24.0
n300-k20-s30	30.9	31.4	26.1	51.4
n300-k20-s40	39.8	41.0	31.4	85.6
n300-k20-s50	43.3	42.5	35.5	123.6
n300-k50-s10	3.6	3.8	3.3	3.9
n300-k50-s20	8.2	8.2	7.4	15.1
n300-k50-s30	10.4	10.5	9.2	32.6
n300-k50-s40	11.7	11.7	9.9	55.2
n300-k50-s50	13.0	13.0	10.8	81.1
Mean	26.2	26.3	21.3	47.7

Table W38: Minimum Inertia values of the PCCC and the PCCC-N2-S algorithms for the constraint sets of size 20% CS. Lower values indicate more coherent clusters. The lowest values are stated in bold. The column KMEANS reports the minimum inertia value obtained with the k-means algorithm. The hyphen indicates that the respective algorithm returned no solution within the time limit of 3,600 seconds.