			5% CS										
Dataset	Objects	Features	Clusters	PCCC-N2-S	PCCC-N3-S	PCCC-N4-S	PCCC-N5-S	PCCC-N6-S	PCCC-N2-S-RD	COPKM	LCC	CSC	DILS	KMEANS	
Banana	5,300	2	2	1.06E+04	1.06E+04	1.06E+04	1.06E+04	1.06E+04	1.06E+04	–	–	1.06E+04	1.06E+04	6.10E+03	1
Letter	20,000	16	26	2.04E+05	2.04E+05	2.06E+05	2.05E+05	2.03E+05	2.03E+05	–	–	–	3.20E+05	1.22E+05	2
Shuttle	57,999	9	7	3.64E+05	3.68E+05	3.66E+05	3.67E+05	3.67E+05	3.68E+05	–	–	–	–	2.08E+05	3
CIFAR-10	60,000	3,072	10	1.75E+08	1.75E+08	1.76E+08	1.76E+08	1.74E+08	1.73E+08	–	–	–	–	1.21E+08	1
CIFAR-100	60,000	3,072	100	1.41E+08	1.42E+08	1.41E+08	1.42E+08	1.43E+08	1.41E+08	–	–	–	–	9.00E+07	1
MNIST	70,000	784	10	4.56E+07	4.54E+07	4.60E+07	4.57E+07	4.63E+07	4.45E+07	–	–	–	–	4.26E+07	4
Mean				6.03E+07	6.04E+07	6.07E+07	6.06E+07	6.07E+07	5.98E+07	–	–	1.06E+04	1.65E+05	4.23E+07	6

Table W107: Minimum Inertia values of the versions of the PCCC algorithm and the four state-of-the-art algorithms (COPKM, CSC, DILS, LCC) for the constraint sets of size 5% 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.