			1% 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	KMEAN
Banana	5,300	2	2	6.8	**6.6**	6.9	6.8	6.7	22.7	–	114.5	3,774.8	3,629.6	0
Letter	20,000	16	26	**79.4**	168.7	231.8	317.2	360.1	260.7	841.7	3,785.3	–	4,568.9	0
Shuttle	57,999	9	7	**13.3**	23.0	40.3	48.5	72.4	35.9	–	–	–	–	0
CIFAR-10	60,000	3,072	10	1,128.2	**1,074.9**	1,166.0	1,415.7	1,194.0	1,801.4	–	–	–	–	16
CIFAR-100	60,000	3,072	100	3,628.1	**2,609.1**	3,311.9	3,628.3	3,625.1	3,611.7	–	–	–	–	83
MNIST	70,000	784	10	**960.4**	1,931.3	2,819.8	2,348.1	2,258.1	2,920.2	–	–	–	–	4
Sum				5,816.2	**5,813.6**	7,576.7	7,764.6	7,516.3	8,652.5	18,841.7*	18,299.8*	21,774.8*	22,598.5*	105

*Nan values (–) are replaced with 3,600 before computing the sum.

Table W118: Average running times (in seconds) 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 1% CS. Higher values indicate better separated clusters. The lowest values are stated in bold. The column KMEANS reports the average running time of the unconstrained k-means algorithm. The hyphen indicates that the respective algorithm returned no solution within the time limit of 1,800 seconds.