

Best CGLKH results for ASRS instances

Keld Helsgaun, March 14, 2021

Instance	Size	CGLKH	Baniasadi	Gap (%)
ASRS_i80r4_16rnd	64	2905.52	2905.52	0.00
ASRS_i80r4_16alt		4330.78	4330.78	0.00
ASRS_i125r5_16rnd	80	5621.31	5621.31	0.00
ASRS_i125r5_16alt		6330.0	6330.0	0.00
ASRS_i80r4_64rnd	256	9499.19	9499.19	0.00
ASRS_i80r4_64alt		12694.68	12694.68	0.00
ASRS_i125r5_64rnd	320	12521.79	12521.79	0.00
ASRS_i125r5_64alt		15894.22	16114.82	-1.39
ASRS_i80r4_256rnd	1024	27311.36	27659.16	-1.27
ASRS_i80r4_256alt		34684.33	35914.11	-3.55
ASRS_i125r5_256rnd	1280	36798.33	38297.53	-4.07
ASRS_i125r5_256alt		46056.17	47768.26	-3.72
ASRS_i80r4_1024rnd	4096	89345.87	103263.79	-15.58
ASRS_i80r4_1024alt		103954.78	138174.98	-32.92
ASRS_i125r5_1024rnd	5120	116855.35	118131.25	-1.09
ASRS_i125r5_1024alt		137820.68	138174.16	-0.26
ASRS_i80r4_4096rnd	16385	247133.40	NA	
ASRS_i80r4_4096alt		276551.77	NA	
ASRS_i125r5_4096rnd	20481	334134.64	NA	
ASRS_i125r5_4096alt		378111.74	NA	

Baniasadi et al.'s results for ASRS_i80r4_256 and ASRS_i125r5_256 have been swapped in the table. Most likely it is an error in their paper. Moreover, their relatively poor results for ASRS_i80r4_1024 look suspicious.