

Wilcoxon Signed Ranks test.

KEEL non-parametric statistical module

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	(1)	(2)	(3)	(4)
Average Fitness HC (1)	-	4.0	0.0	6.0
Average Fitness HCRR (2)	17.0	-	11.0	21.0
Average Fitness SA (3)	21.0	10.0	-	10.0
Average Fitness GRASP (4)	15.0	0.0	11.0	-

Table 1: Ranks computed by the Wilcoxon test

	(1)	(2)	(3)	(4)
Average Fitness HC (1)	-		o	
Average Fitness HCRR (2)		-		●
Average Fitness SA (3)	●		-	
Average Fitness GRASP (4)		o		-

Table 2: Summary of the Wilcoxon test. ●= the method in the row improves the method of the column. o= the method in the column improves the method of the row. Upper diagonal of level significance $\alpha = 0.9$, Lower diagonal level of significance $\alpha = 0.95$

	$\alpha = 0.9$		$\alpha = 0.95$	
Method	+	\pm	+	\pm
Average Fitness HC	0	2	0	2
Average Fitness HCRR	1	3	1	3
Average Fitness SA	1	3	1	3
Average Fitness GRASP	0	2	0	2

Table 3: Wilcoxon test summary results