

Wilcoxon Signed Ranks test.

KEEL non-parametric statistical module

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	(1)	(2)	(3)	(4)
Average Fitness HC (1)	-	0.0	0.0	0.0
Average Fitness HCRR (2)	15.0	-	4.0	2.0
Average Fitness SA (3)	15.0	6.0	-	6.0
Average Fitness GRASP (4)	15.0	8.0	4.0	-

Table 1: Ranks computed by the Wilcoxon test

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

Table 2: Summary of the Wilcoxon test. \bullet = 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	0	0	3
Average Fitness HCRR	1	3	0	3
Average Fitness SA	1	3	0	3
Average Fitness GRASP	1	3	0	3

Table 3: Wilcoxon test summary results