Calibration of ADA with large instances

Parameter	
Random Movement : S	4 – 5 - 6
Destruction size : d	19 - 20 - 21
Temperature factor: T1	0.6743 - 1.6743 - 2.6743
Temperature factor : T2	0.4124 - 0.9124 - 1.4124

We have 81 combinations * 10 replications for each instance *144 Instances

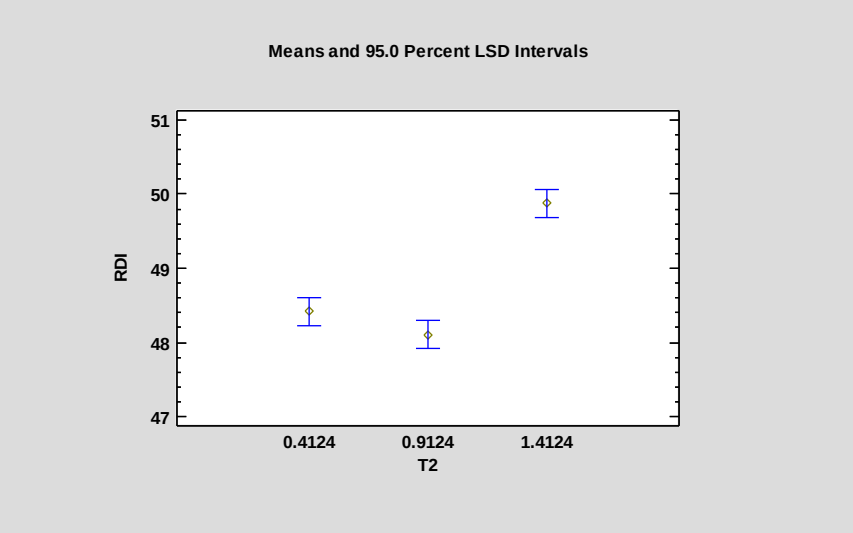
Analysis of Variance

Analysis of Variance for RDI - Type III Sums of Squares

Source	*Sum of Squares*	*Df*	*Mean Square*	*F-Ratio*	*P-Value*
MAIN EFFECTS					
A:S	2453.32	2	1226.66	1.71	0.1805
B:d	842.764	2	421.382	0.59	0.5554
C:T1	6274.49	2	3137.24	4.38	0.0125
D:T2	69480.0	2	34740.0	48.49	0.0000
INTERACTIONS					
AB	46300.0	4	11575.0	16.15	0.0000
AC	57212.6	4	14303.1	19.96	0.0000
AD	41940.1	4	10485.0	14.63	0.0000
BC	26224.5	4	6556.11	9.15	0.0000
BD	100423.	4	25105.7	35.04	0.0000
CD	18762.6	4	4690.64	6.55	0.0000
RESIDUAL	8.35488E7	116607	716.499		
TOTAL (CORRECTED)	8.39187E7	116639			

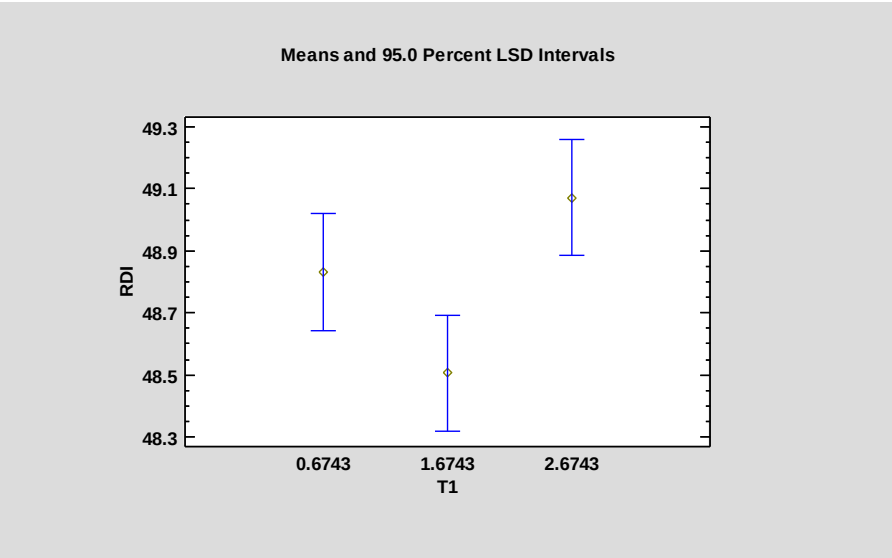
All F-ratios are based on the residual mean square error.

1- TempFactor2 : T2



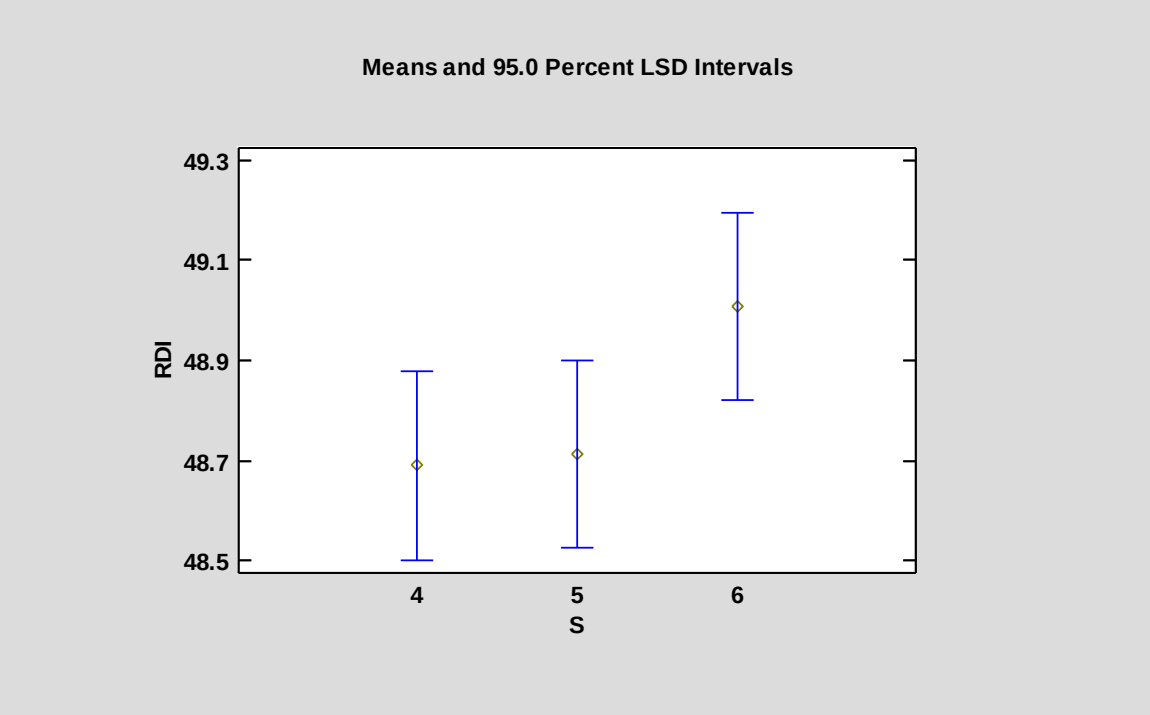
T2= 0.9124 is better

2- TempFactor1: T1

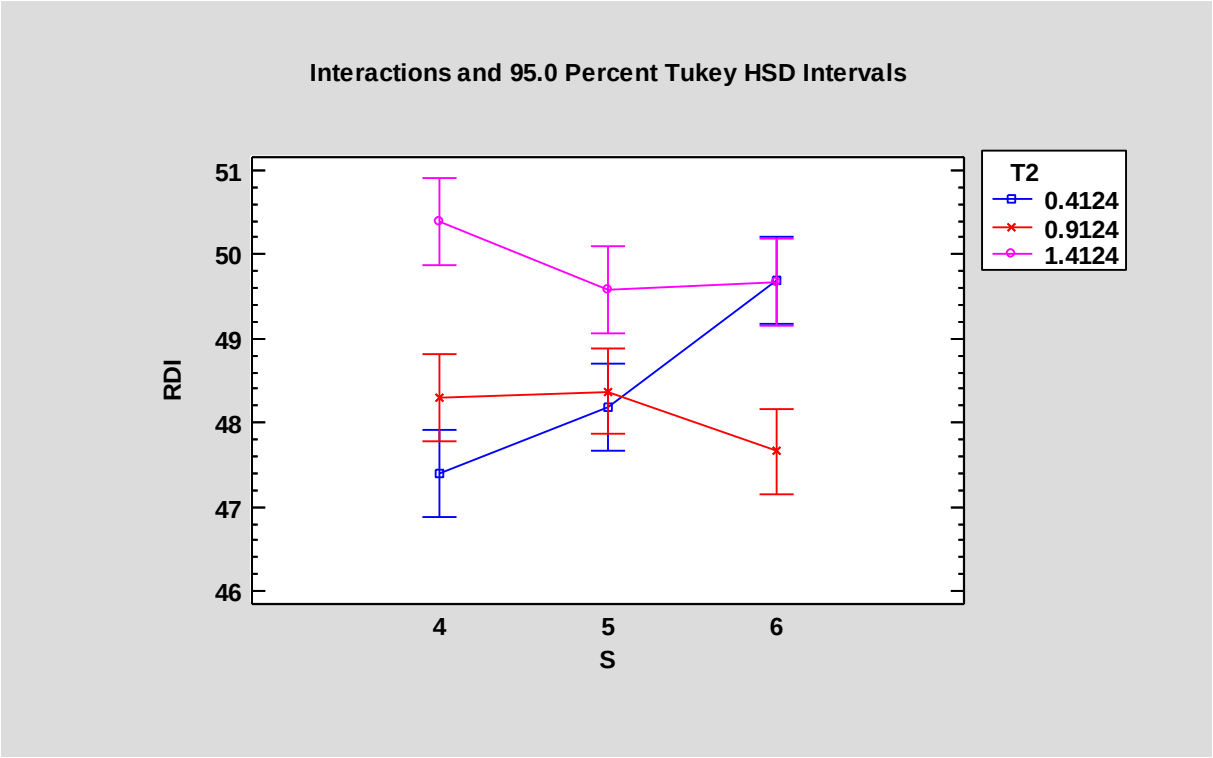


T1 = 1.6743 is better

3- Random movement: S

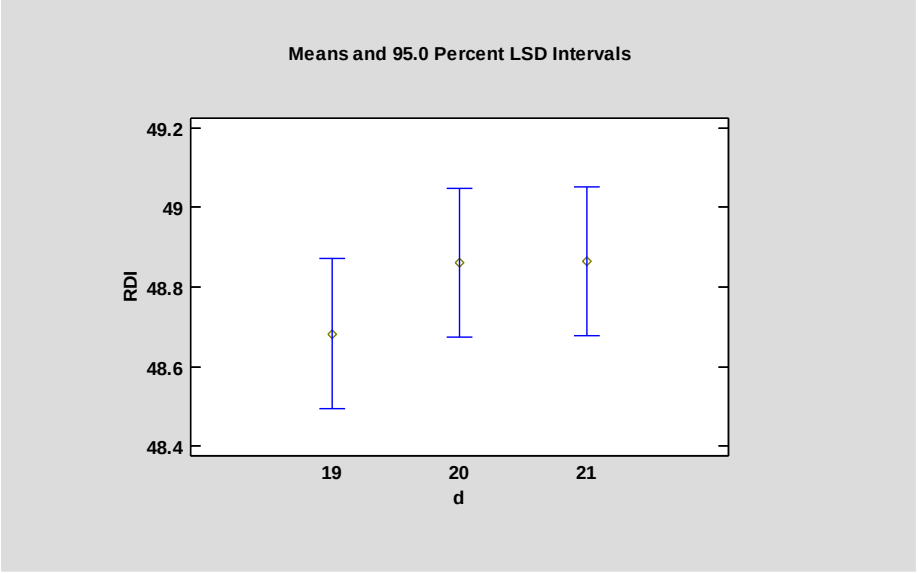


S is not significant we study interactions

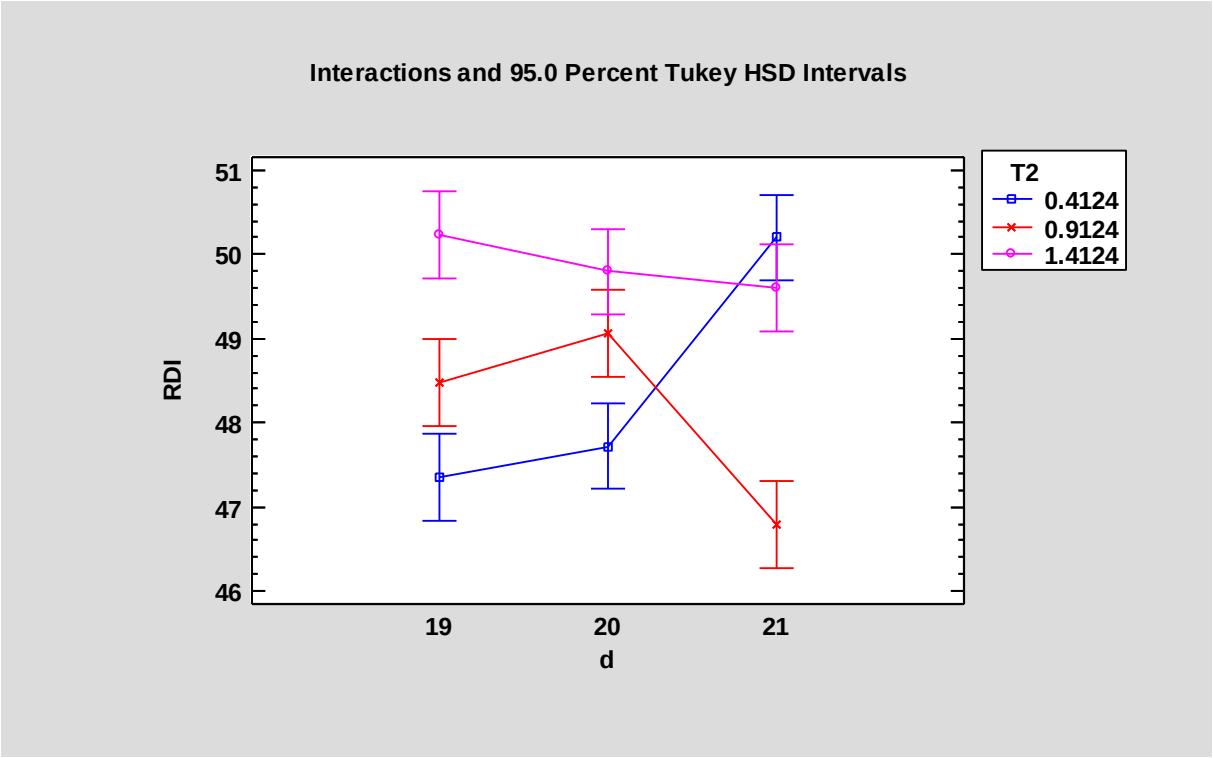


From interaction we can put S= 6

4- Destruction size: d



d is not significant we study interaction



By looking at the interaction we see that d=21 is better

Final parameter

D = 21

S = 6

T1 = 1.6743

T2= 0.9124