**Calibration of ADA for Small Instances**

|  |  |
| --- | --- |
| Parameter |  |
| Random movement S | 11, 13, 15, 17 |
| Destruction size : d | 2,3,4,5,6 |
| Temperature factor : T1 | 1,2,3,4,5 |
| Temperature factor : T2 | 6,7,8,9,10 |

We have 500 combinations \* 5 replications \*162 Instances

**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 | 4871.13 | 3 | 1623.71 | 3.16 | 0.0235 |
| B:d | 2.03785E6 | 4 | 509463. | 991.69 | 0.0000 |
| C:T1 | 3222.65 | 4 | 805.663 | 1.57 | 0.1797 |
| D:T2 | 2801.83 | 4 | 700.458 | 1.36 | 0.2438 |
| INTERACTIONS |  |  |  |  |  |
| AB | 40045.2 | 12 | 3337.1 | 6.50 | 0.0000 |
| AC | 728.331 | 12 | 60.6943 | 0.12 | 0.9999 |
| AD | 7166.24 | 12 | 597.187 | 1.16 | 0.3040 |
| BC | 3328.59 | 16 | 208.037 | 0.40 | 0.9820 |
| BD | 12811.2 | 16 | 800.699 | 1.56 | 0.0709 |
| CD | 1548.53 | 16 | 96.7829 | 0.19 | 0.9998 |
| RESIDUAL | 2.08009E8 | 404900 | 513.73 |  |  |
| TOTAL (CORRECTED) | 2.10124E8 | 404999 |  |  |  |

All F-ratios are

based on the

residual mean

square error.

1. **Destruction reconstruction**

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6=5 is the better

1. **Random movement:**

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It is clear that we should set it 11

1. **Temperature factor 2: T2**

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It is clear that we should set it 10

**4-Temperature factor: T1**

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There is no big difference but T1= 5 look better