

**Response 1**

**Singularity Details**

Term	Details
A*B	=A*D - B*C - 2*B*D - C*D - 4*A*A + 4*C*C = - 2*A*C - A*D + B*C - C*D -...

**Effect Summary**

Source	Logworth	PValue
D*D	.	.
C*C	.	.
B*B	.	.
A*A	.	.
C*D	.	.
B*D	.	.
B*C	.	.
A*D	.	.
A*C	.	.
A*B	.	.
Block*D	.	.
Block*C	.	.
Block*B	.	.
Block*A	.	.
D(0,14)	.	.
C(25,50)	.	.
B(0.9,1.1)	.	.
A(45,65)	.	.
Block	.	.

**Summary of Fit**

RSquare	1
RSquare Adj	.
Root Mean Square Error	.
Mean of Response	103.95
Observations (or Sum Wgts)	18

**Analysis of Variance**

Source	DF	Sum of Squares	Mean Square	MSE used	F Ratio
Model	17	10464.925	615.584	.	.
Error	0	0.000	.	DFE used	Prob > F
C. Total	17	10464.925	.	.	.

**Parameter Estimates**

Term	Estimate	Std Error	t Ratio	Prob> t
Intercept	110	.	.	.
Block[1]	-9	.	.	.
A(45,65)	-1.678125	.	.	.
B(0.9,1.1)	-4.9	.	.	.
C(25,50)	14.959375	.	.	.
D(0,14)	22.33125	.	.	.

**Response 1**

**Parameter Estimates**

Term		Estimate	Std Error	t Ratio	Prob> t
Block[1]*A		1.028125	.	.	.
Block[1]*B		1.125	.	.	.
Block[1]*C		-3.059375	.	.	.
Block[1]*D		-2.50625	.	.	.
A*B	Biased	1.0169643	.	.	.
A*C	Biased	-4.516071	.	.	.
A*D	Biased	1.9669643	.	.	.
B*C	Biased	-0.420536	.	.	.
B*D	Biased	2.1214286	.	.	.
C*D	Biased	-0.236607	.	.	.
A*A	Biased	-16.36429	.	.	.
B*B	Biased	8.5857143	.	.	.
C*C	Zeroed	0	.	.	.
D*D	Zeroed	0	.	.	.

**Effect Tests**

Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F	
Block	1	1	162.0000	.	.	
A(45,65)	1	1	14.2600	.	.	
B(0.9,1.1)	1	1	246.9600	.	.	
C(25,50)	1	1	1133.1776	.	.	
D(0,14)	1	1	4559.4032	.	.	
Block*A	1	1	5.3526	.	.	
Block*B	1	1	13.0179	.	.	
Block*C	1	1	47.3954	.	.	
Block*D	1	1	57.4289	.	.	
A*B	1	0	0.0000	.	.	LostDFs
A*C	1	0	0.0000	.	.	LostDFs
A*D	1	0	0.0000	.	.	LostDFs
B*C	1	0	0.0000	.	.	LostDFs
B*D	1	0	0.0000	.	.	LostDFs
C*D	1	0	0.0000	.	.	LostDFs
A*A	1	0	0.0000	.	.	LostDFs
B*B	1	0	0.0000	.	.	LostDFs
C*C	1	0	0.0000	.	.	LostDFs
D*D	1	0	0.0000	.	.	LostDFs

**Effect Details**

**Block**

**Least Squares Means Table**

Level	Least		Mean
	Sq Mean	Std Error	
1	101.00000	.	100.433
2	119.00000	.	107.467

**Response 1**

**Effect Details**

A(45,65)

B(0.9,1.1)

C(25,50)

D(0,14)

Block\*A

Block\*B

Block\*C

Block\*D

A\*B

A\*C

A\*D

B\*C

B\*D

C\*D

A\*A

B\*B

C\*C

D\*D

**Prediction Profiler**

