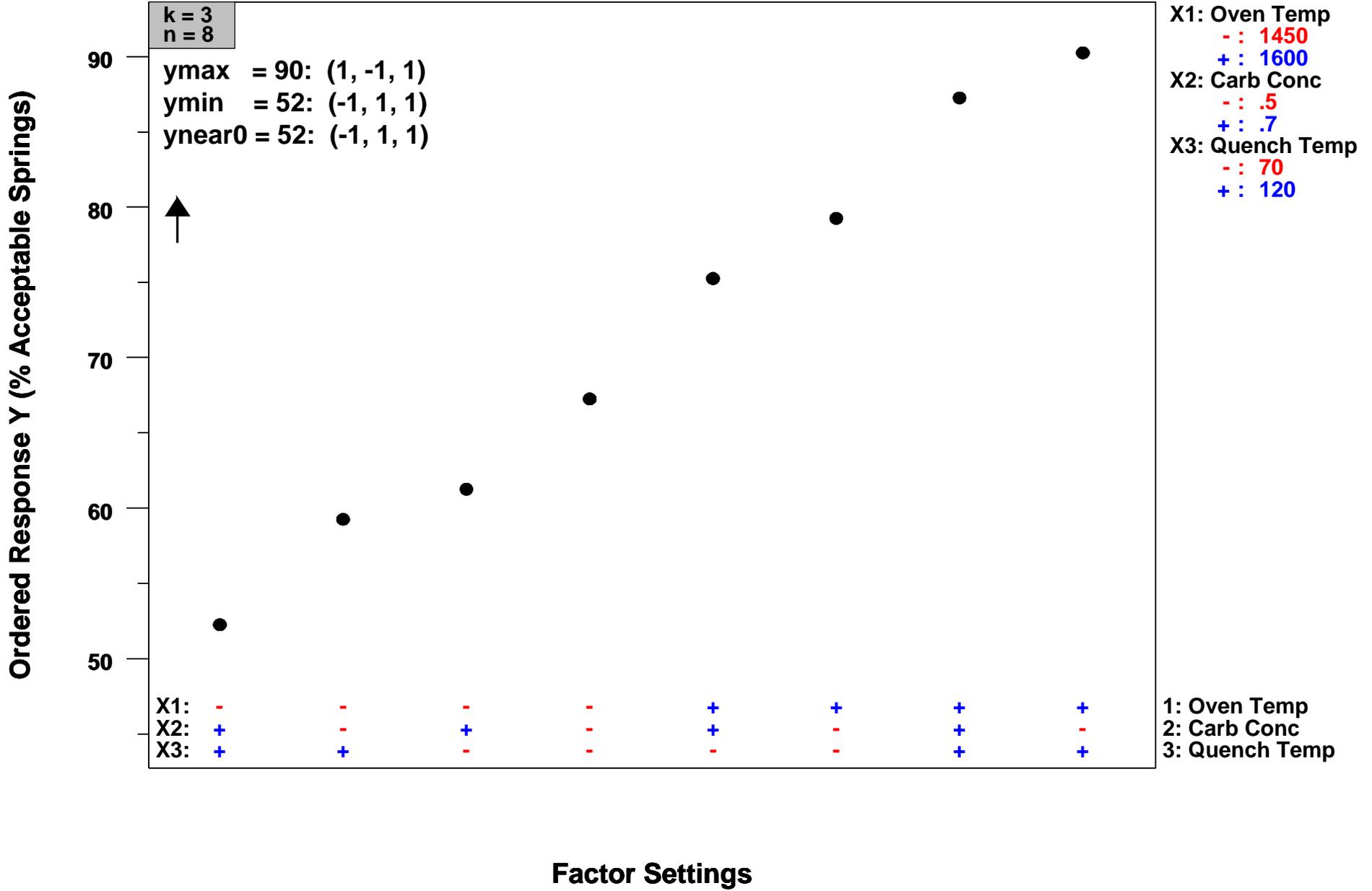


Factors Affecting % Acceptable Metal Springs Production (Box & Bisgaard)
Design: 2**3 (k=3,n=8)

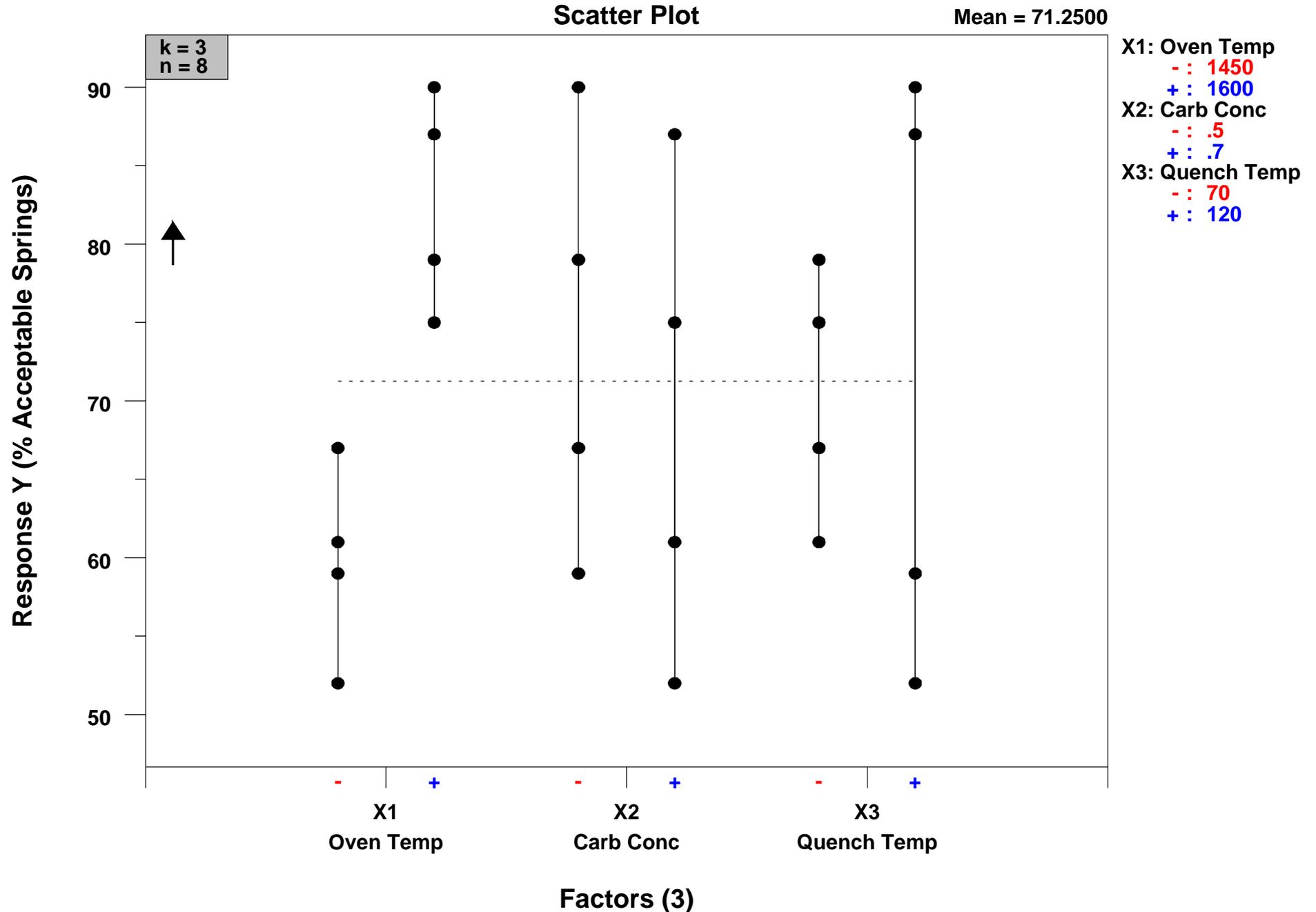
Ordered Data Plot

Mean = 71.2500

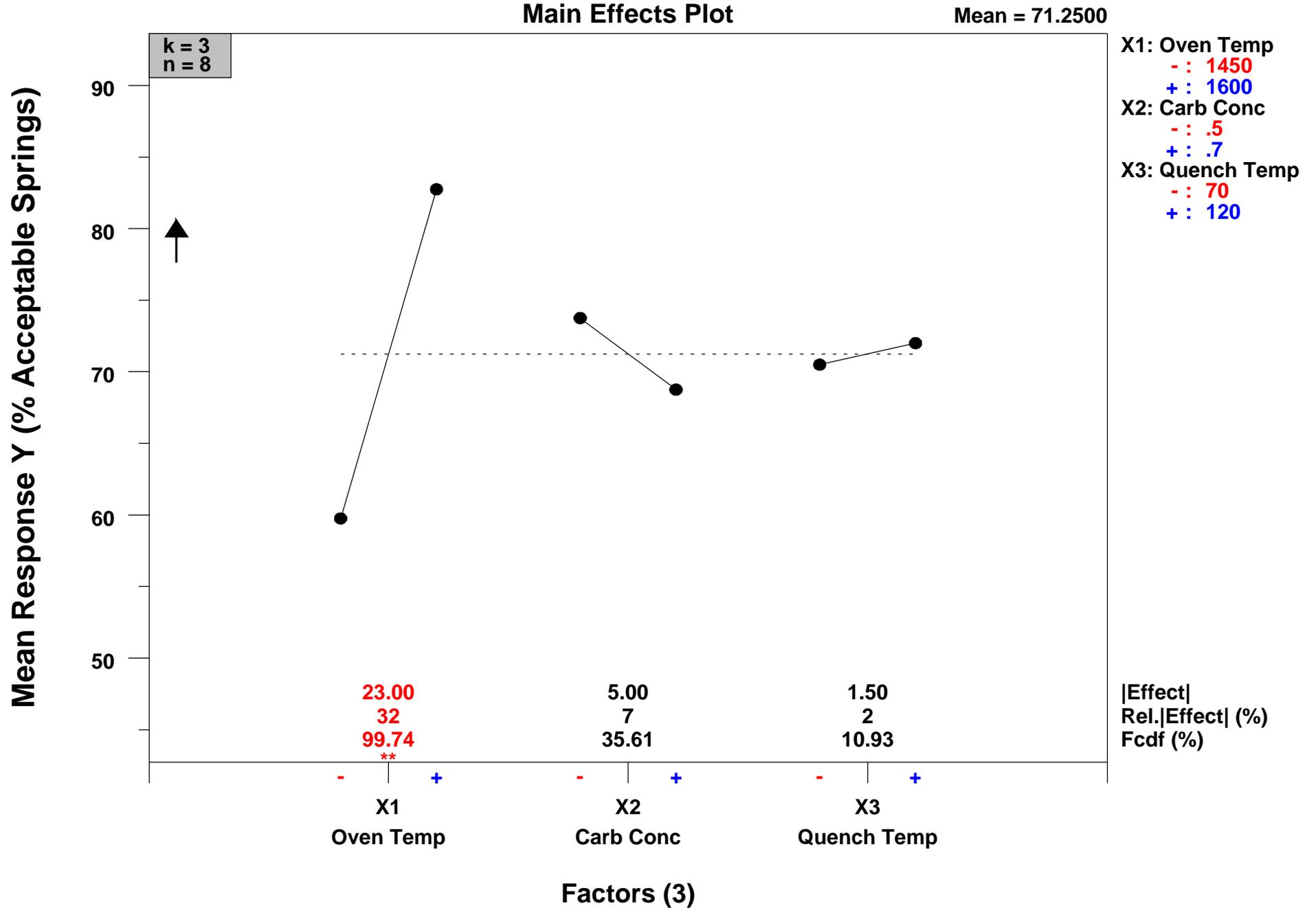


Factors Affecting % Acceptable Metal Springs Production (Box & Bisgaard)

Design: $2^{**}3$ (k=3,n=8)



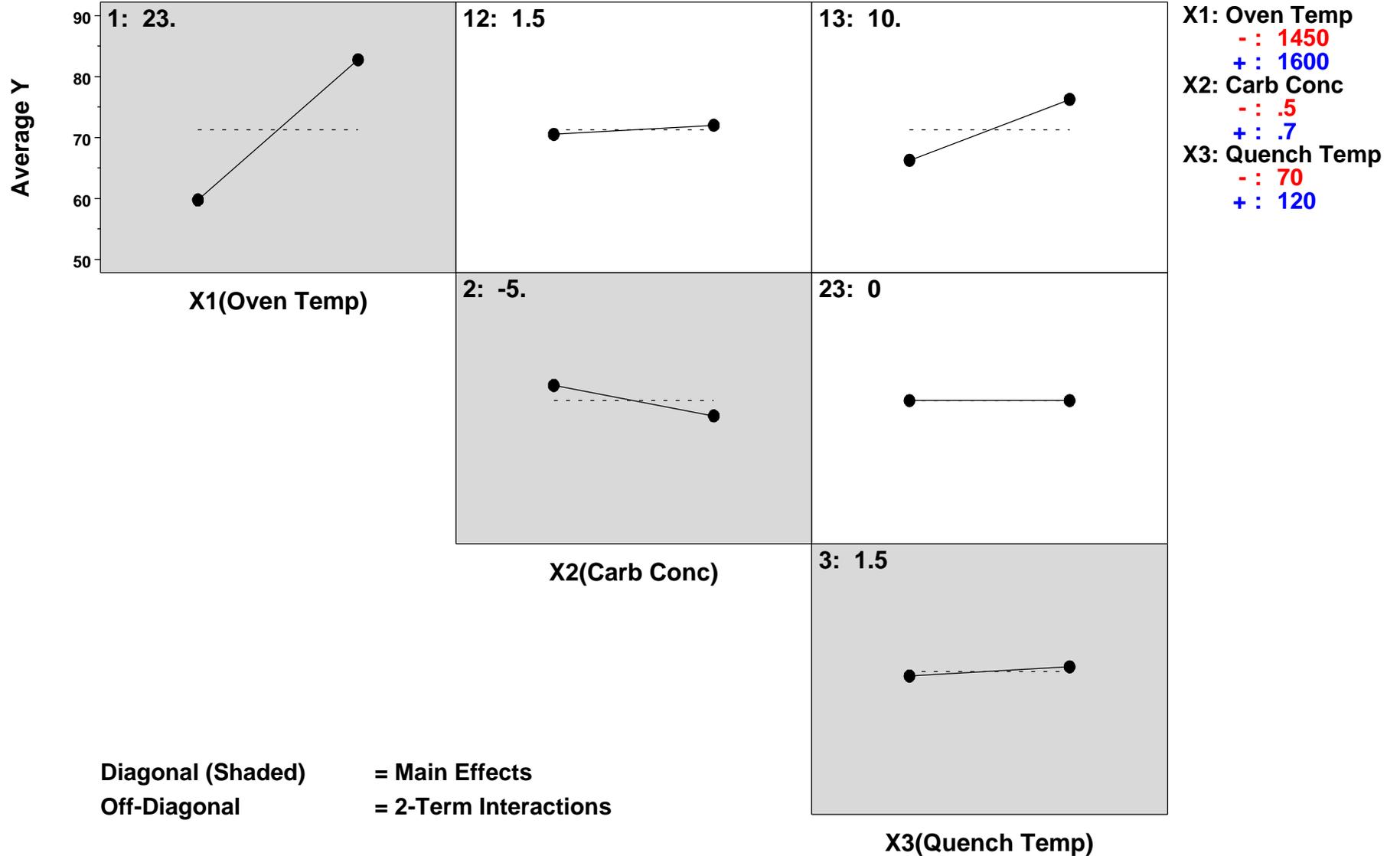
Factors Affecting % Acceptable Metal Springs Production (Box & Bisgaard)
 Design: 2**3 (k=3,n=8)



Factors Affecting % Acceptable Metal Springs Production (Box & Bisgaard)
 Design: 2**3 (k=3,n=8)

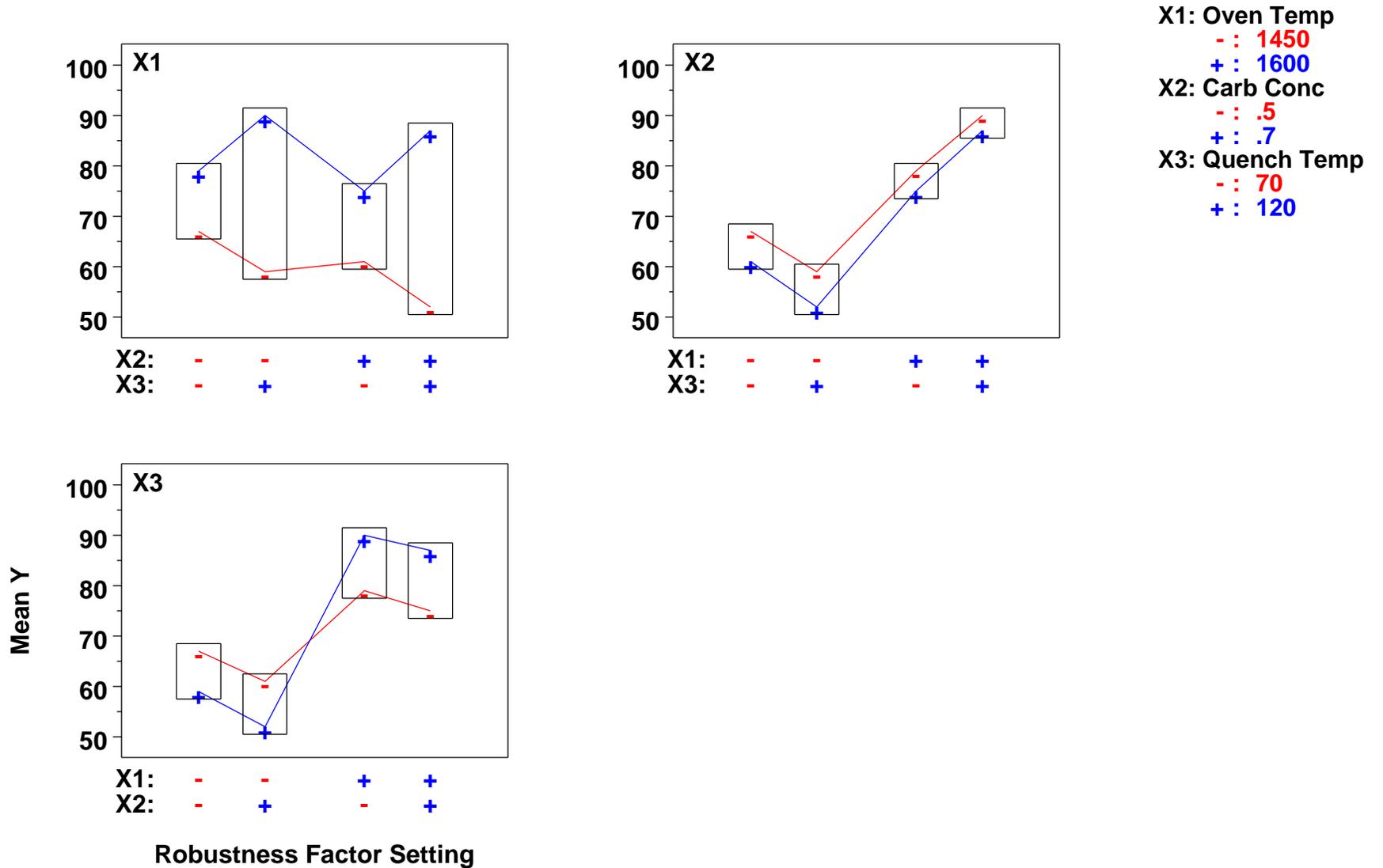
Interaction Effects Matrix

Mean = 71.2500

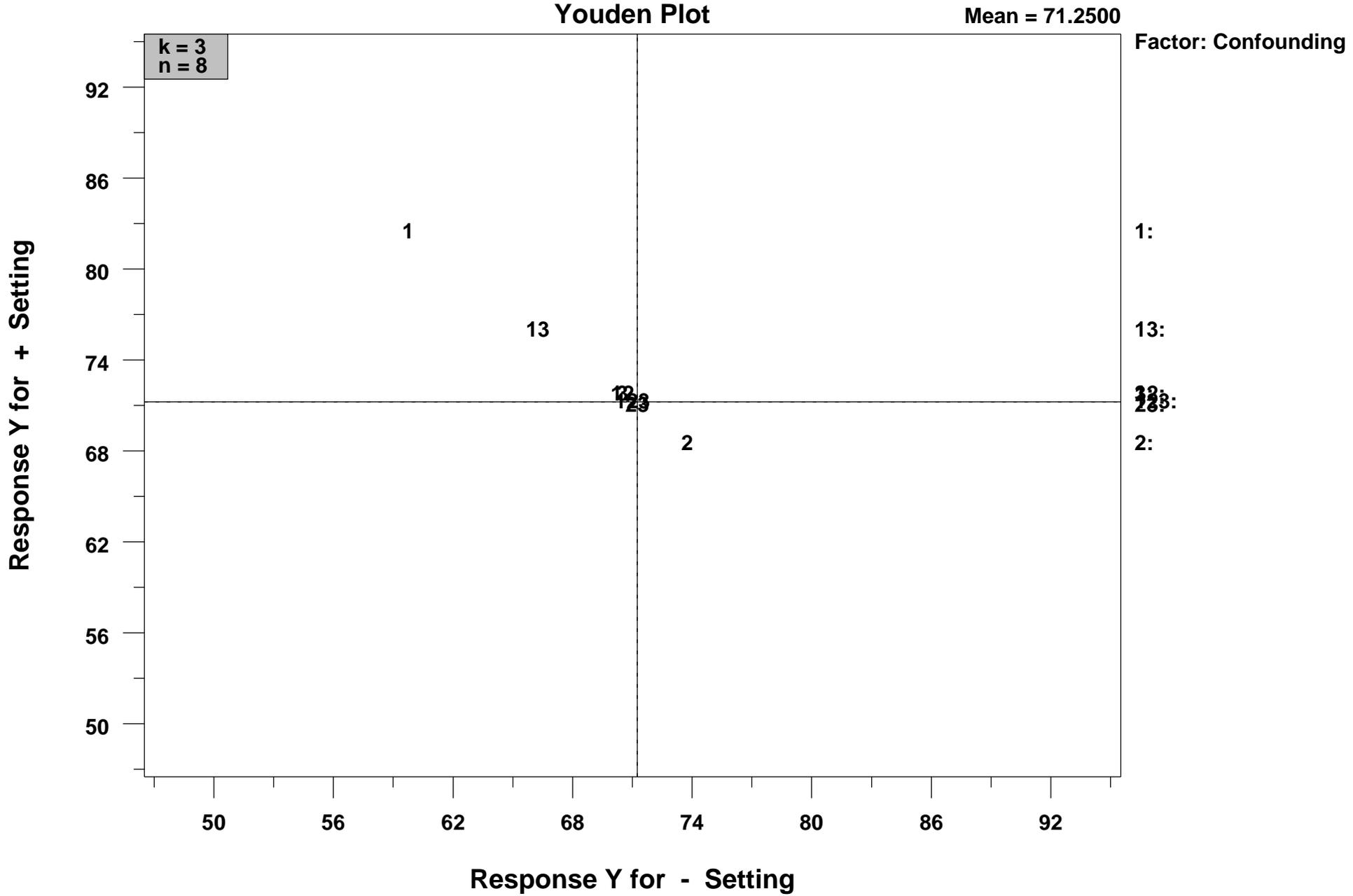


Factors Affecting % Acceptable Metal Springs Production (Box & Bisgaard) Design: 2**3 (k=3,n=8)

Block Plot



Factors Affecting % Acceptable Metal Springs Production (Box & Bisgaard)
Design: 2**3 (k=3,n=8)

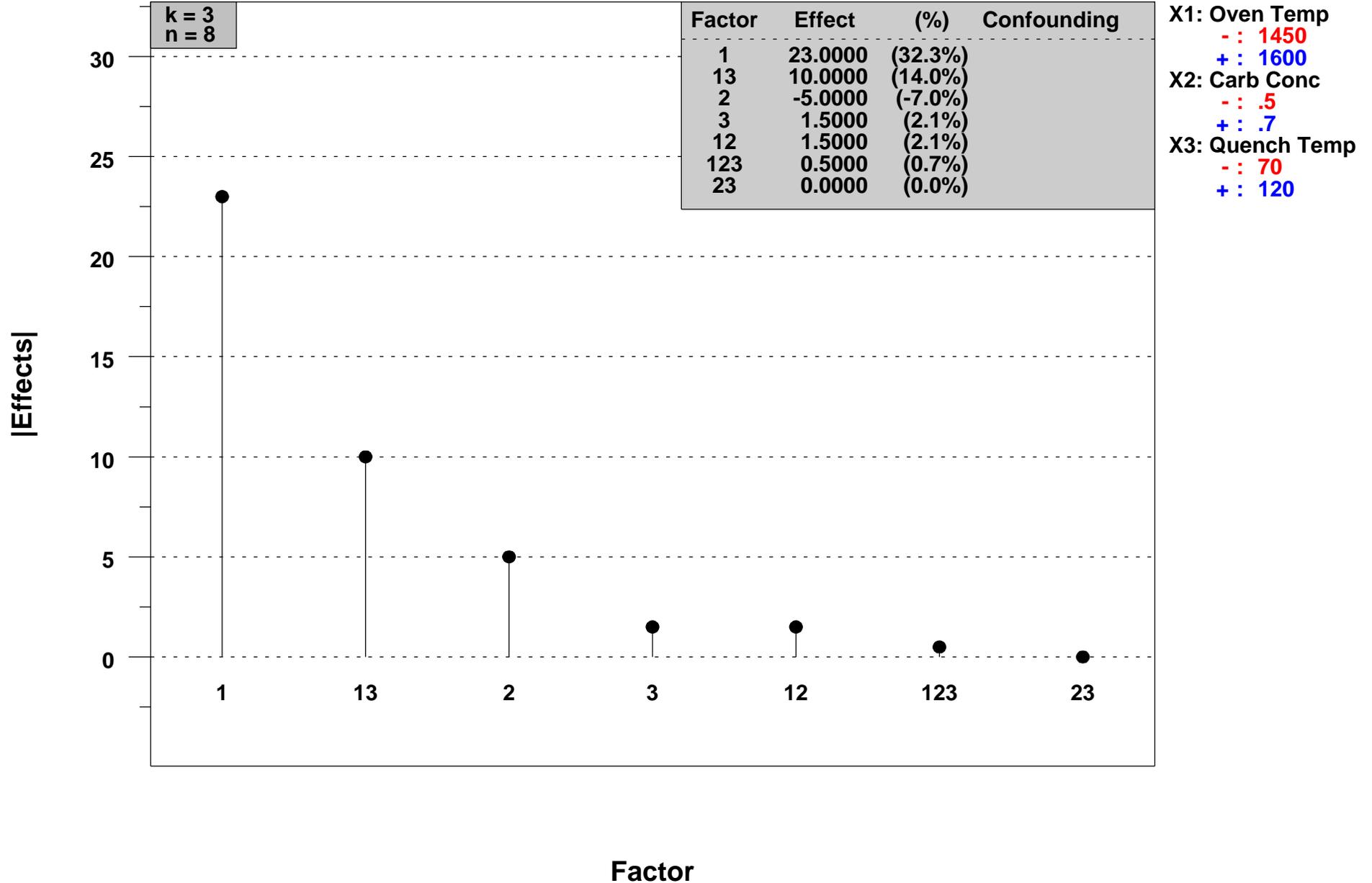


Factors Affecting % Acceptable Metal Springs Production (Box & Bisgaard)

Design: 2**3 (k=3,n=8)

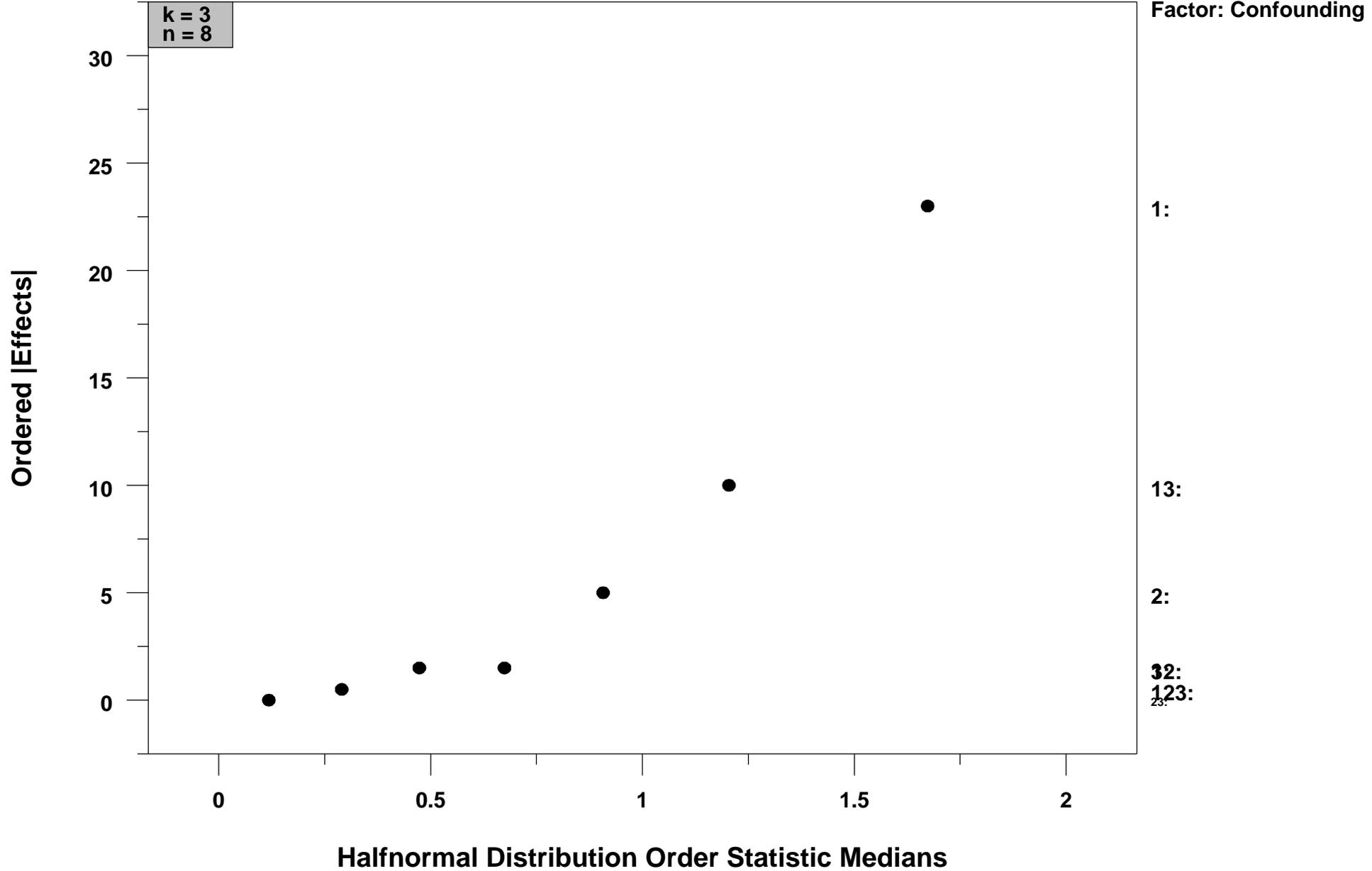
|Effects| Plot

Mean = 71.2500



Factors Affecting % Acceptable Metal Springs Production (Box & Bisgaard)
Design: 2^{**3} (k=3,n=8)

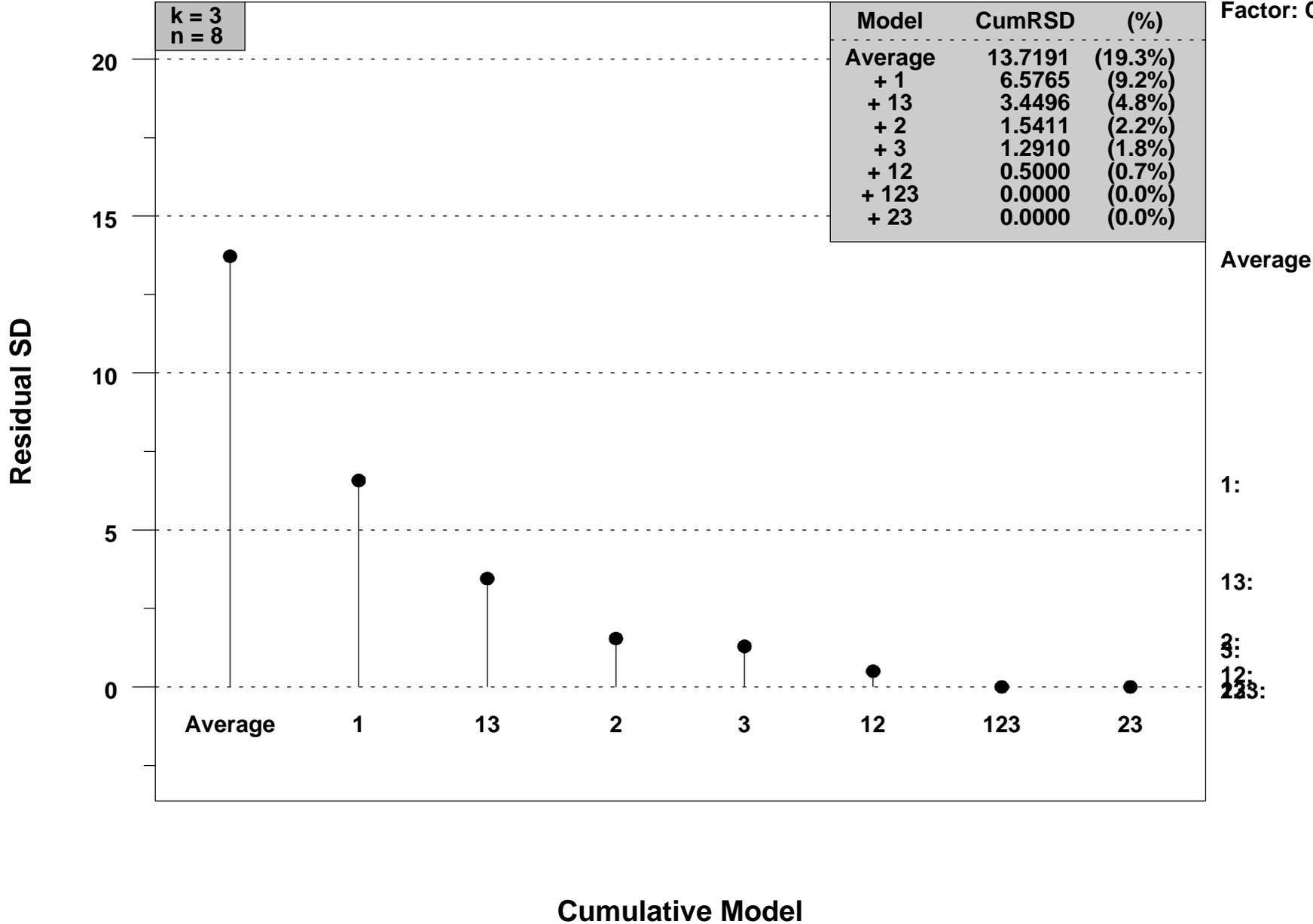
Halfnormal Probability Plot of |Effects|



Factors Affecting % Acceptable Metal Springs Production (Box & Bisgaard)
 Design: 2**3 (k=3,n=8)

Cumulative Residual SD Plot

Mean = 71.2500



Factor: Confounding

Average

1:

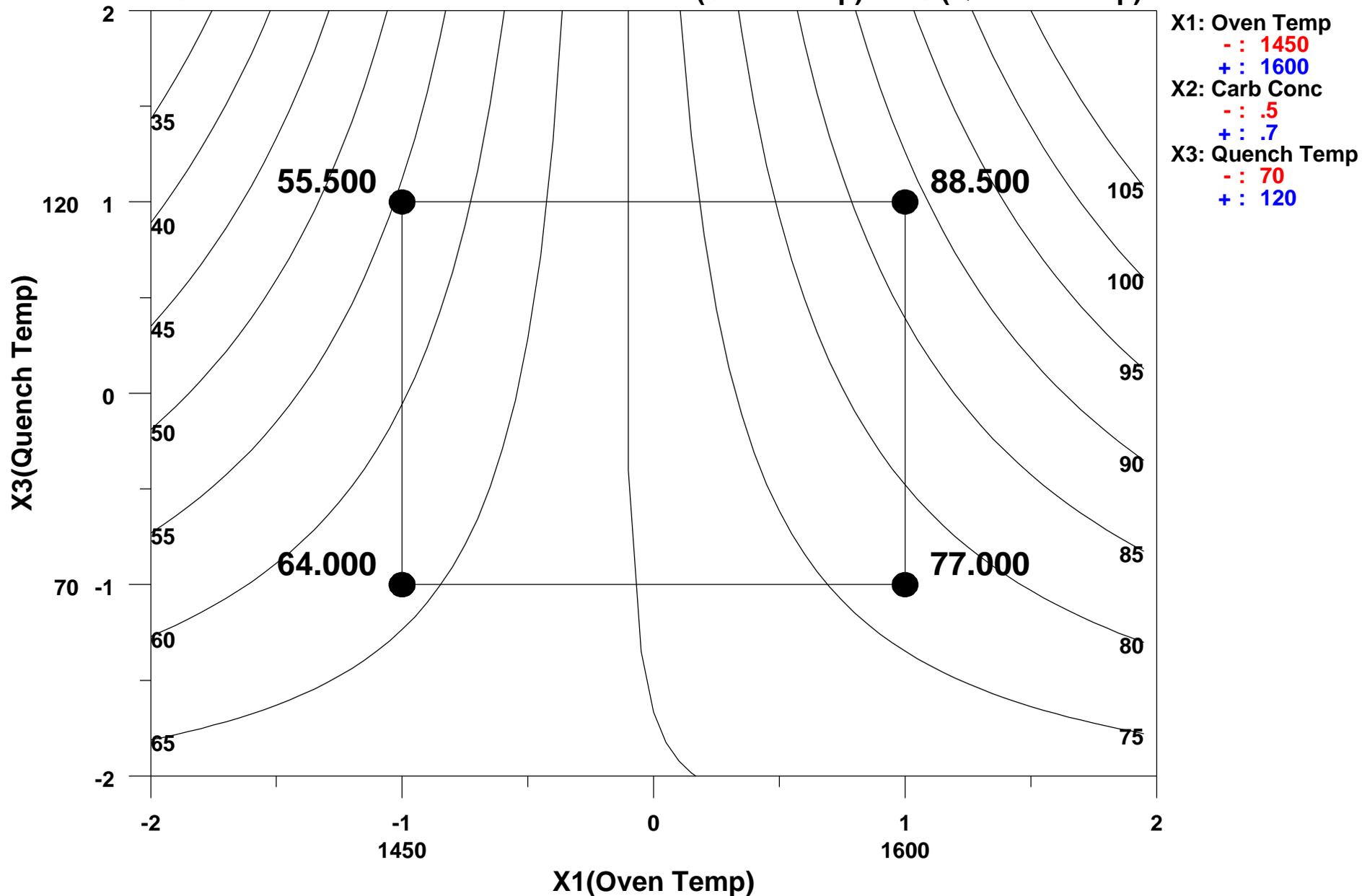
13:

3:

12:

23:

Contour Plot of 2 Dominant Factors: X1 (Oven Temp) & X3 (Quench Temp)



Center-Point Predicted Value (From 2-Factor Edge-based Model) = 71.2500