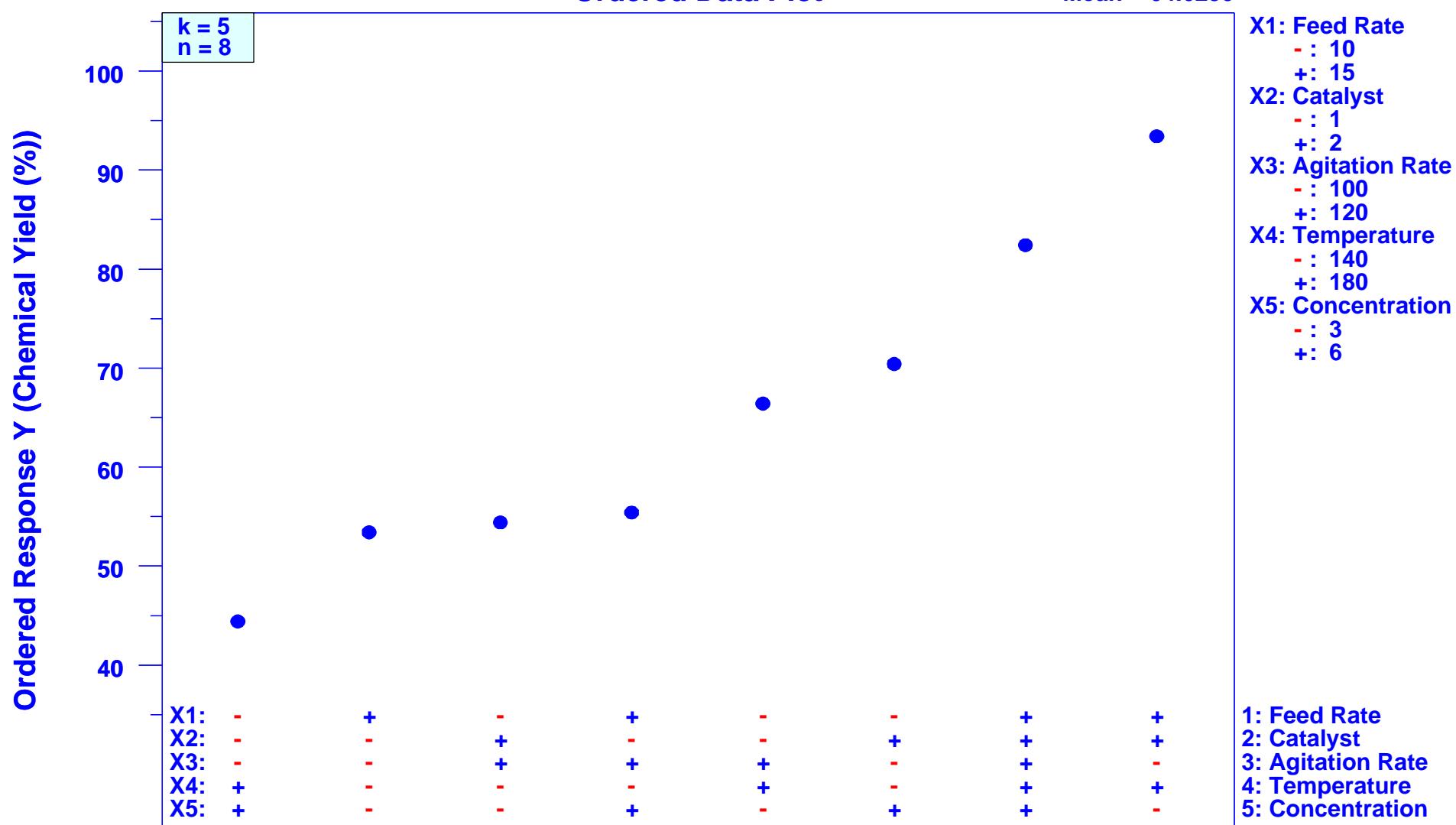


Chemical Reactor Yield (Box, Hunter, & Hunter)
Design: $2^{**}(5-2)$ ($k=5, n=8$)

Ordered Data Plot

Mean = 64.6250

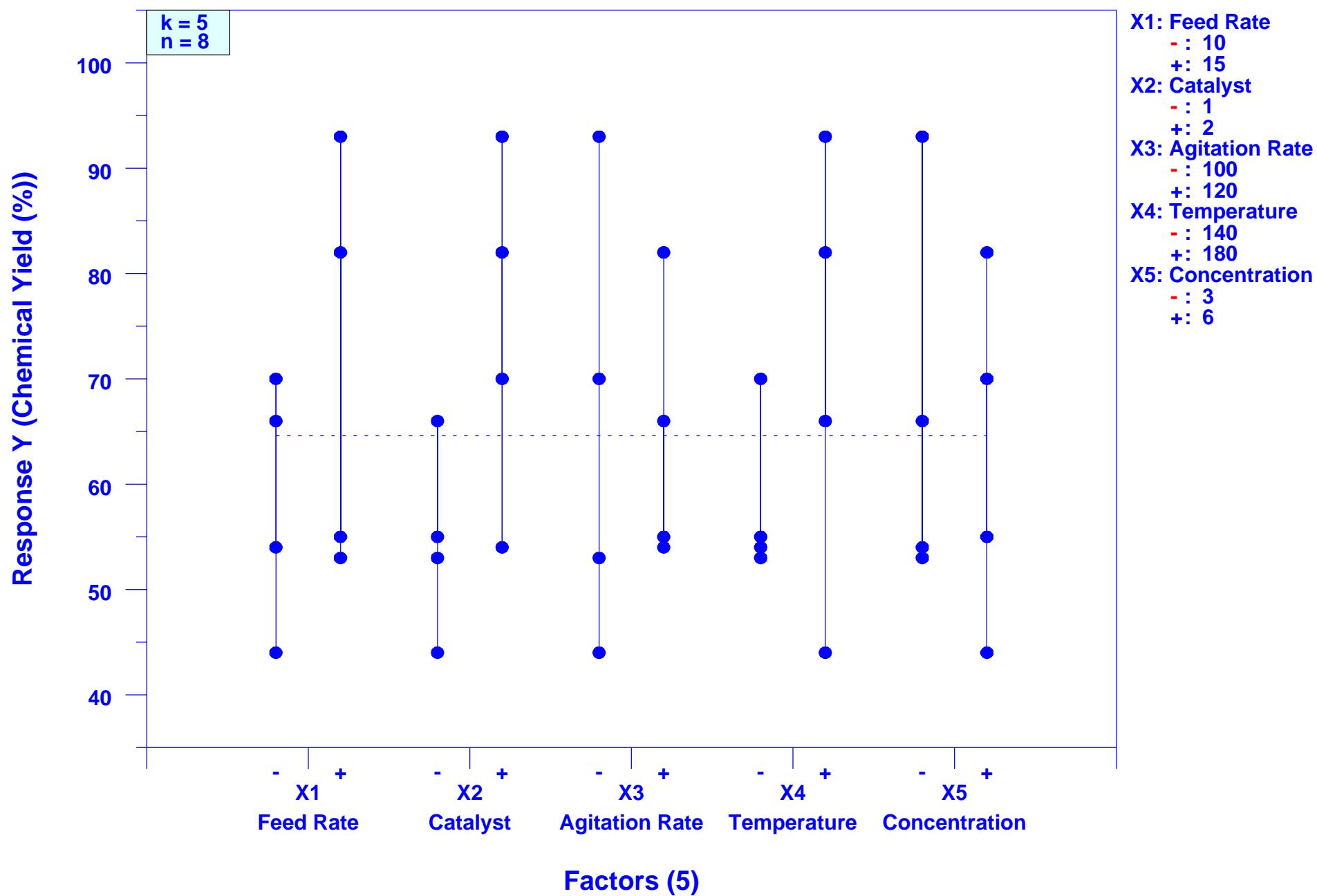


Chemical Reactor Yield (Box, Hunter, & Hunter)

Design: $2^{**}(5-2)$ ($k=5, n=8$)

Scatter Plot

Mean = 64.6250

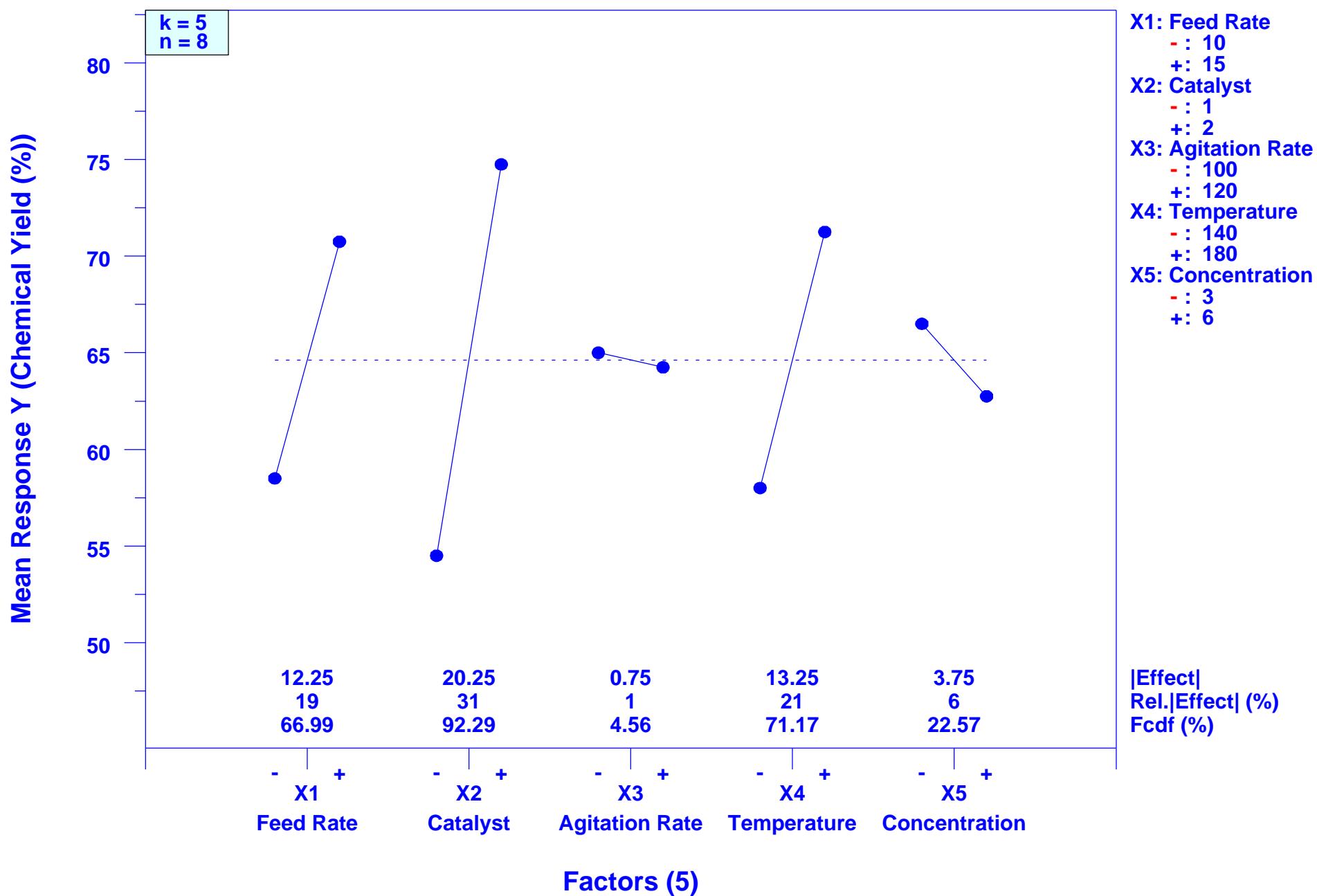


Chemical Reactor Yield (Box, Hunter, & Hunter)

Design: $2^{**}(5-2)$ ($k=5, n=8$)

Main Effects Plot

Mean = 64.6250

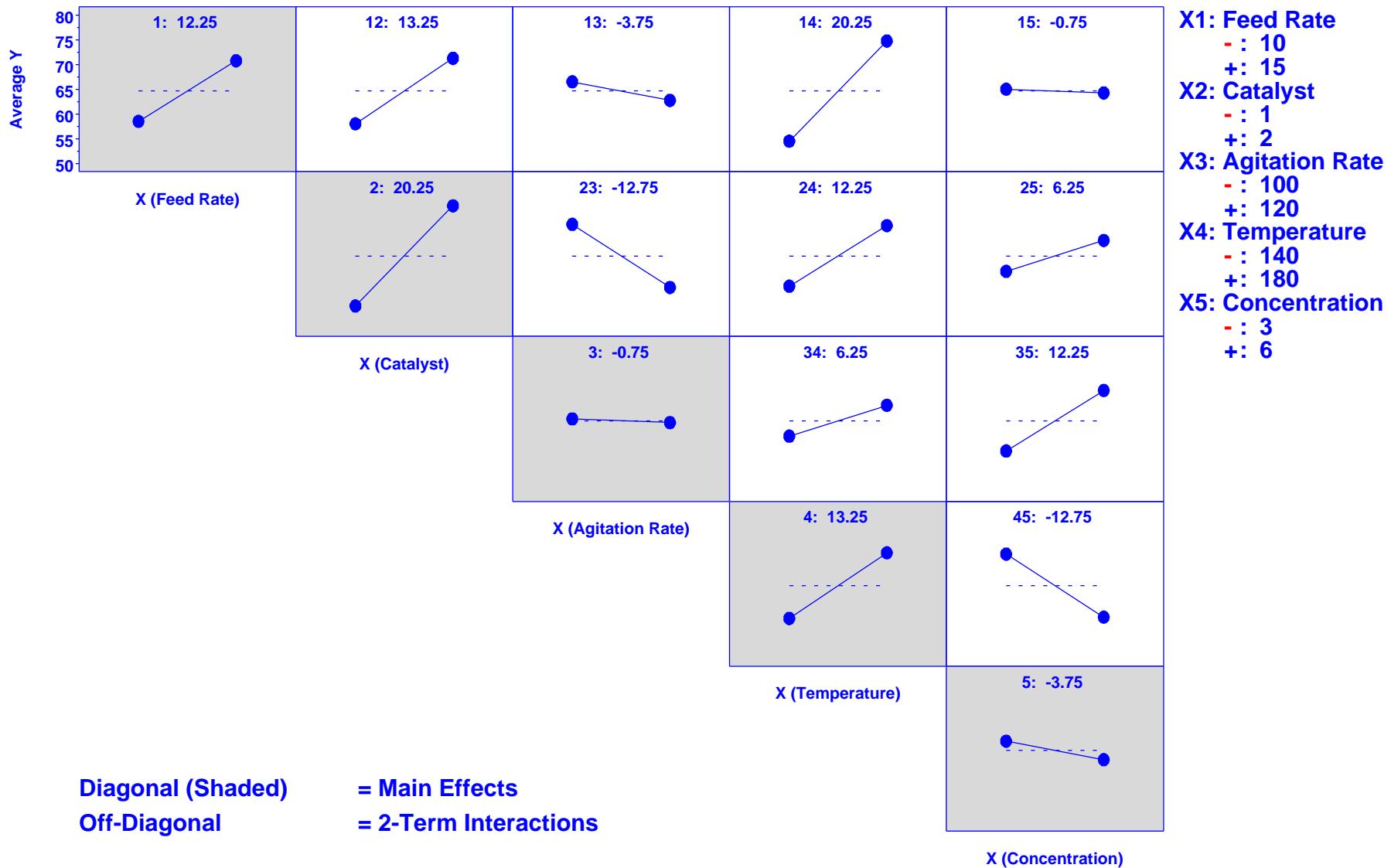


Chemical Reactor Yield (Box, Hunter, & Hunter)

Design: $2^{**}(5-2)$ ($k=5, n=8$)

Interaction Effects Matrix

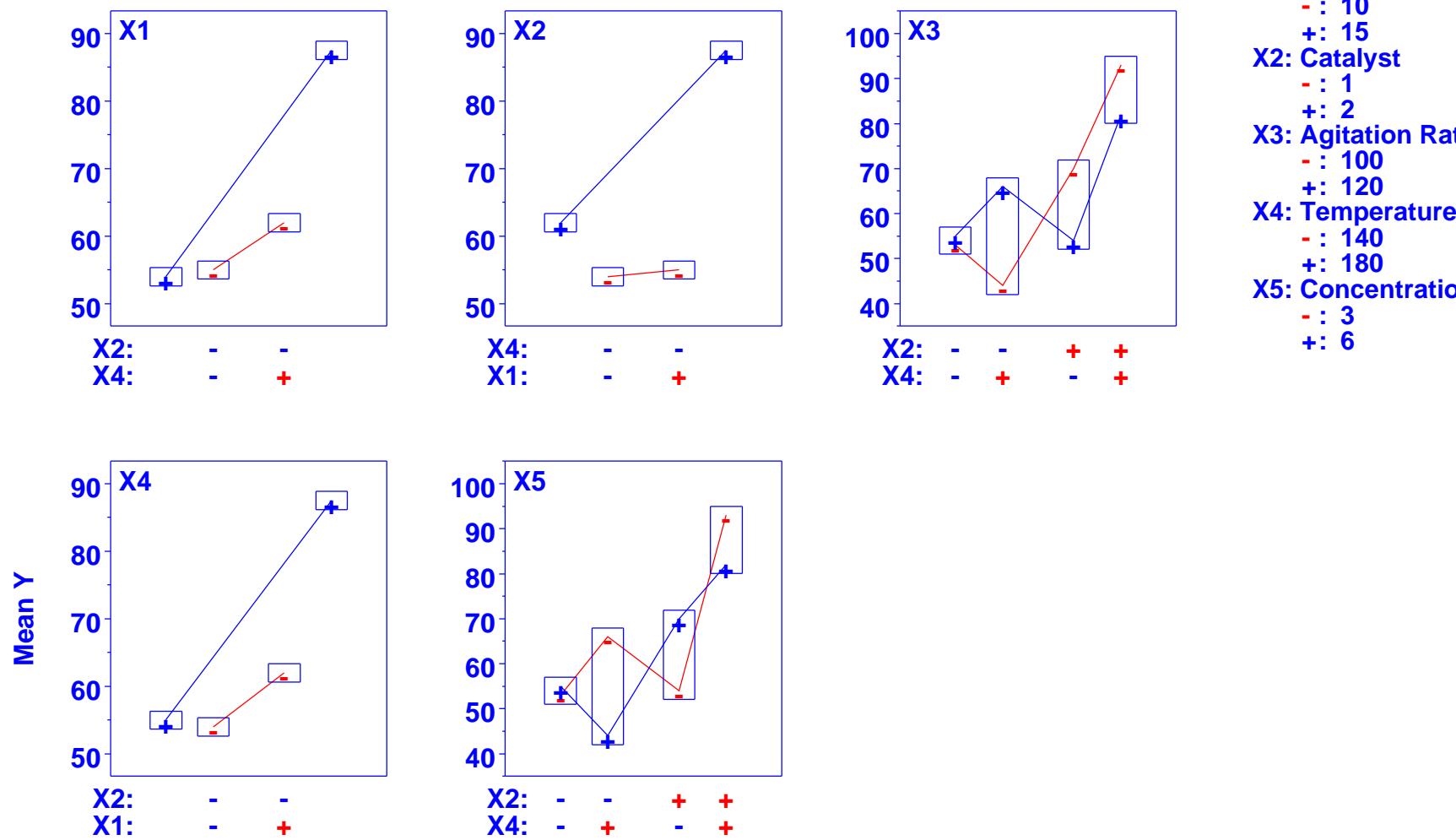
Mean = 64.6250



Chemical Reactor Yield (Box, Hunter, & Hunter)

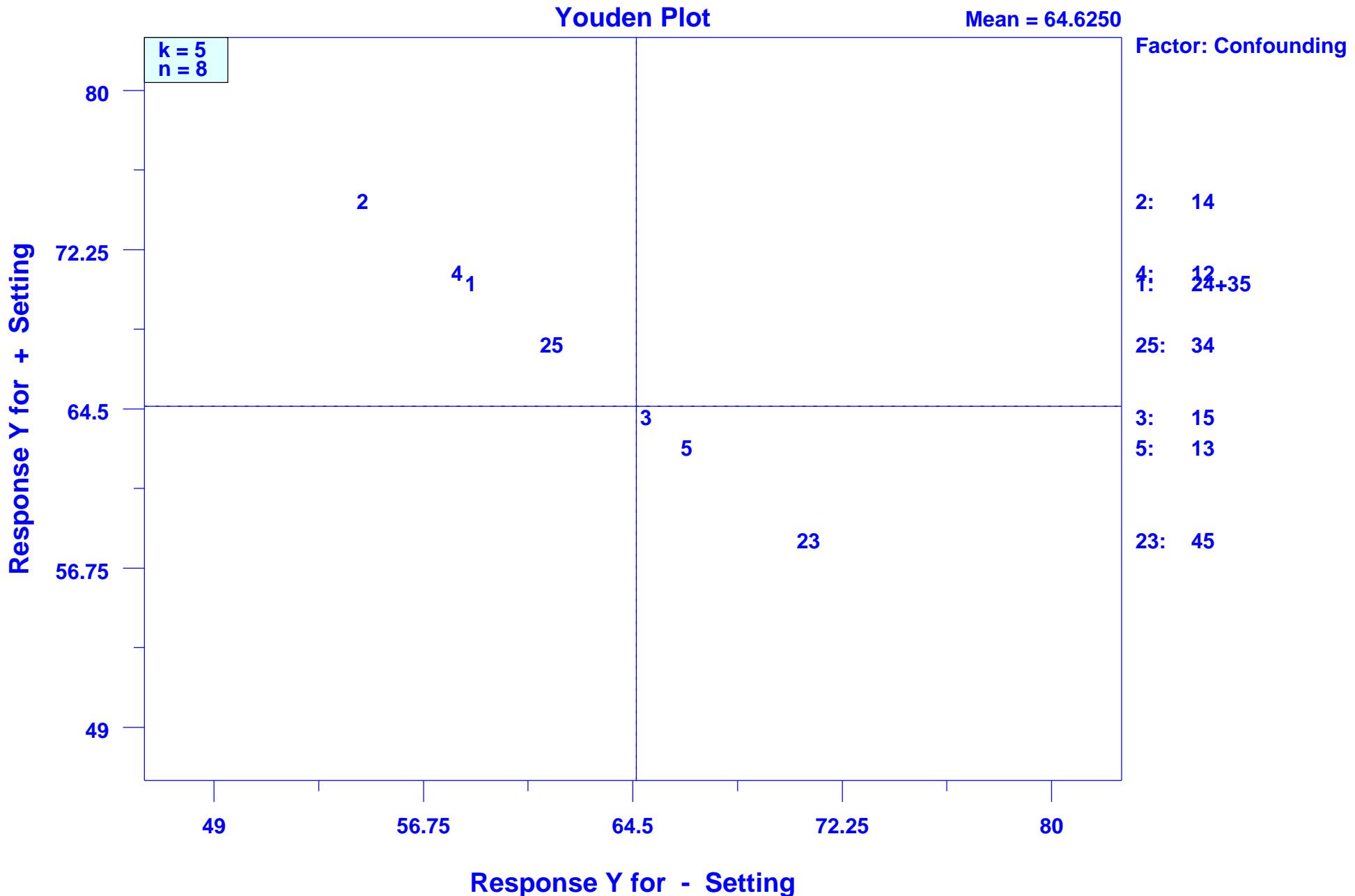
Design: $2^{**}(5-2)$ ($k=5, n=8$)

Block Plot



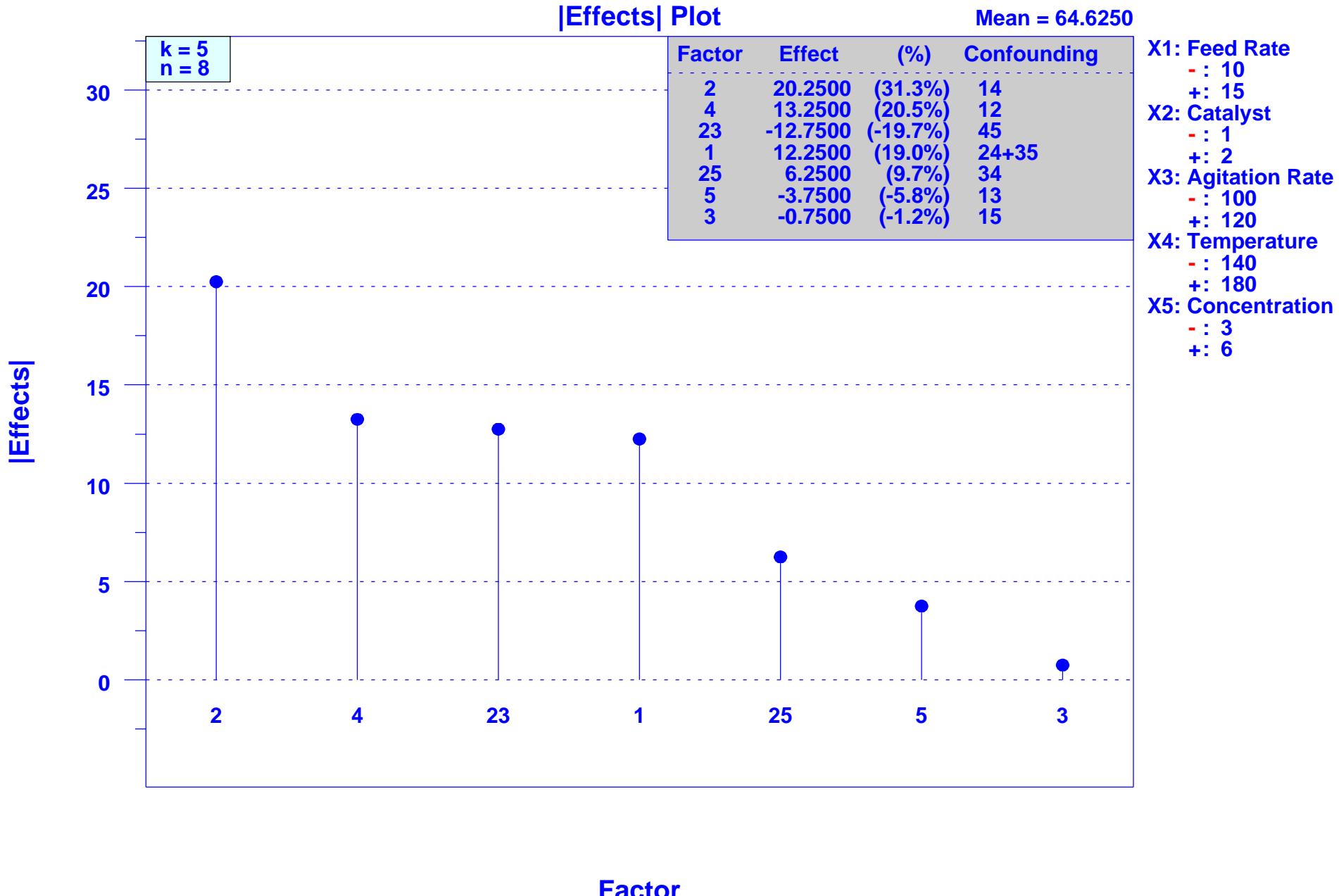
Robustness Factor Setting

Chemical Reactor Yield (Box, Hunter, & Hunter)
Design: $2^{**}(5-2)$ ($k=5, n=8$)



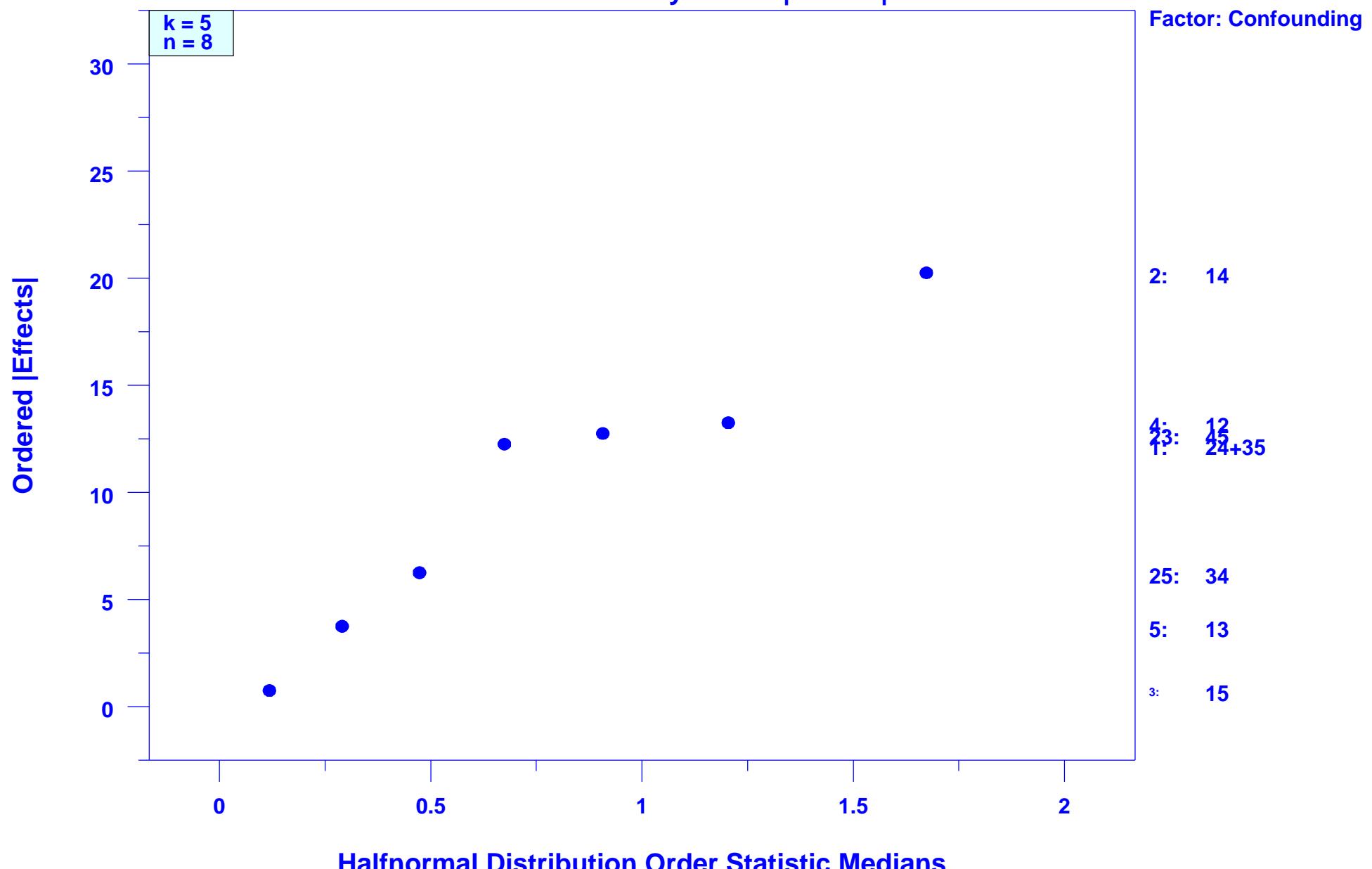
Chemical Reactor Yield (Box, Hunter, & Hunter)

Design: $2^{**}(5-2)$ ($k=5, n=8$)



Chemical Reactor Yield (Box, Hunter, & Hunter)
Design: $2^{**}(5-2)$ ($k=5, n=8$)

Halfnormal Probability Plot of |Effects|

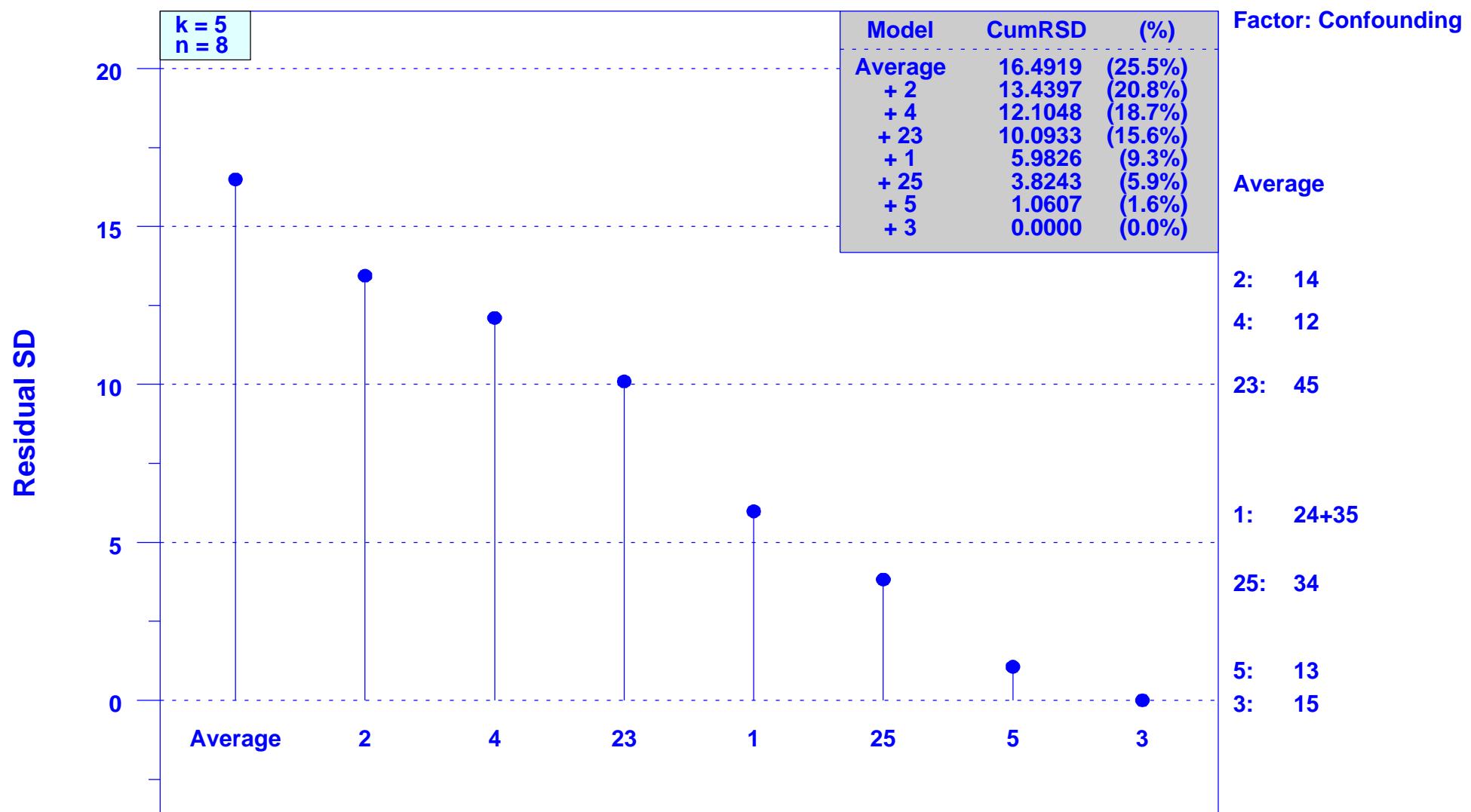


Chemical Reactor Yield (Box, Hunter, & Hunter)

Design: $2^{**}(5-2)$ ($k=5, n=8$)

Cumulative Residual SD Plot

Mean = 64.6250

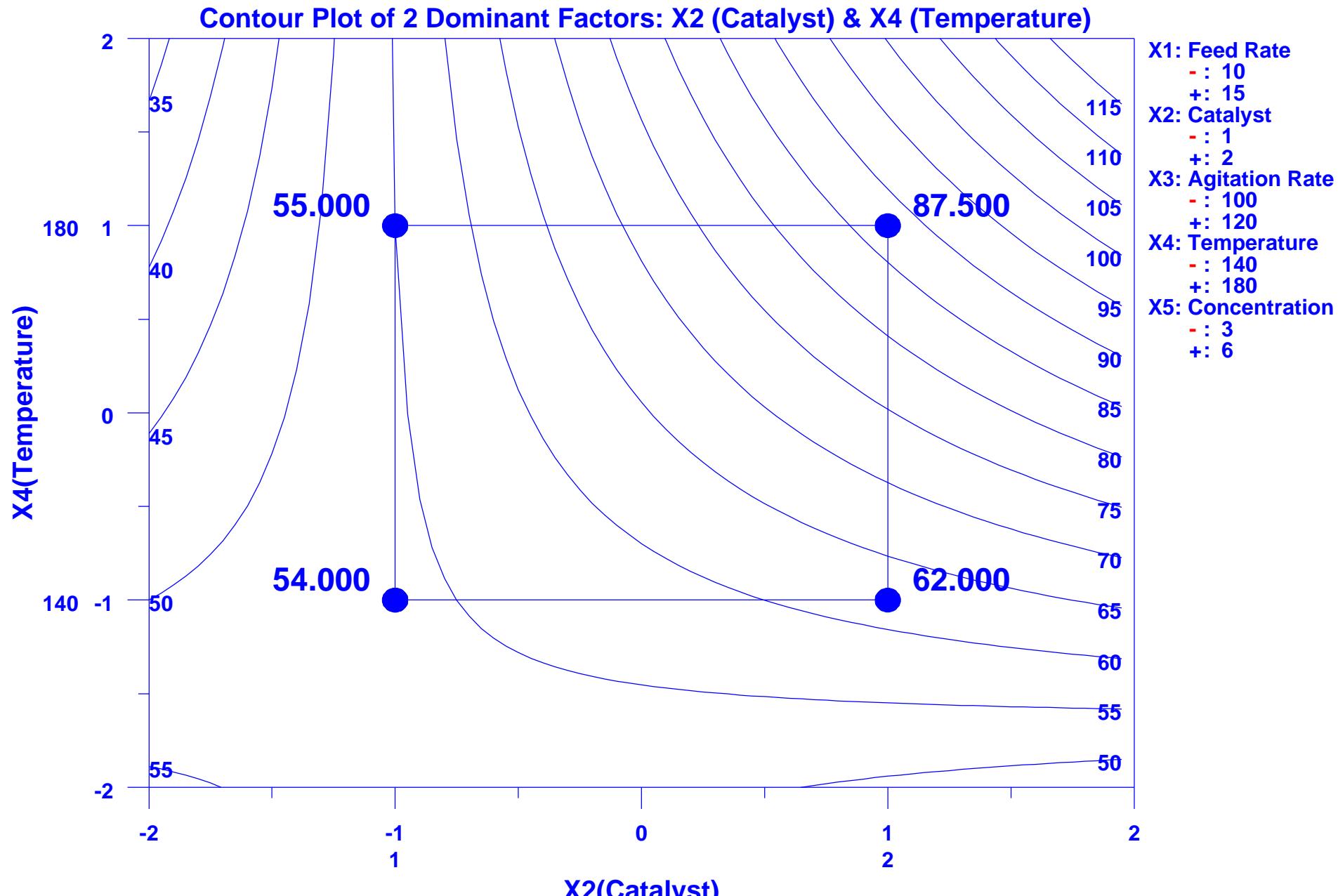


10

Chemical Reactor Yield (Box, Hunter, & Hunter)

Design: $2^{**}(5-2)$ ($k=5, n=8$)

10



Center-Point Predicted Value (From 2-Factor Edge-based Model) = 64.6250