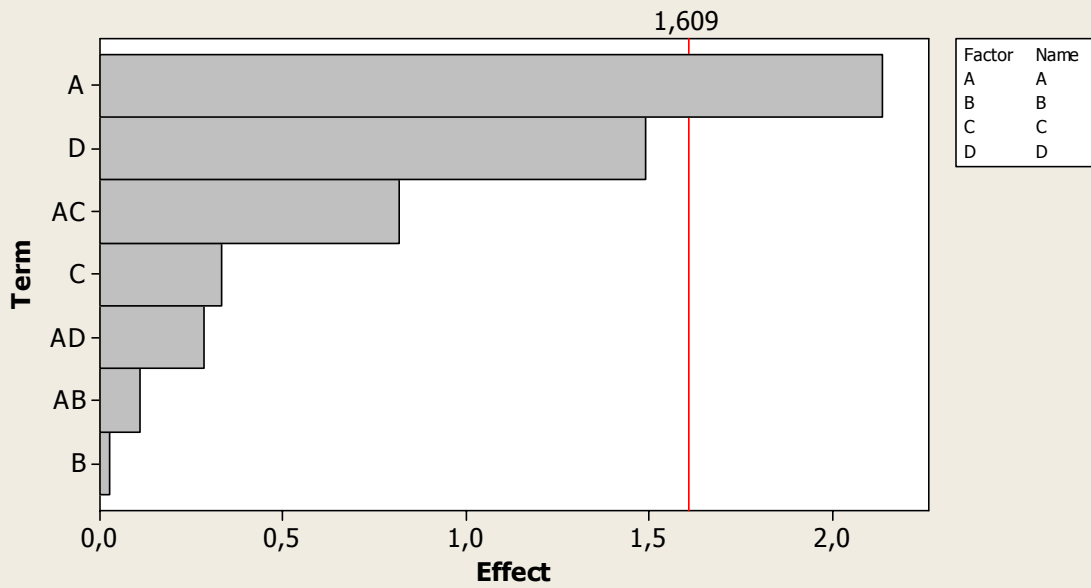


Pareto Chart of the Effects

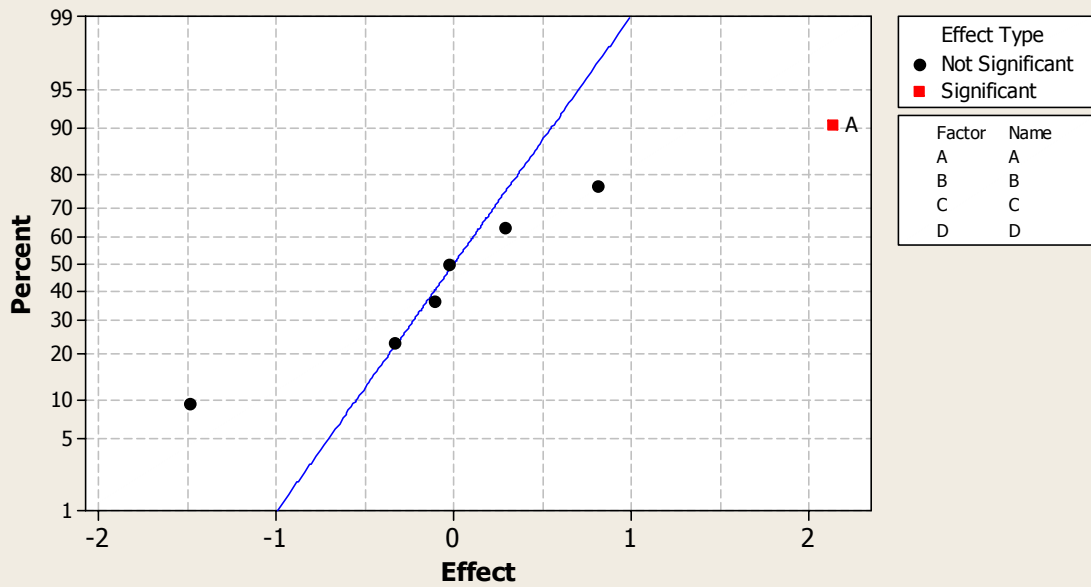
(response is Y, Alpha = ,05)



Lenth's PSE = 0,4275

Normal Probability Plot of the Effects

(response is Y, Alpha = ,05)



Lenth's PSE = 0,4275

Fractional Factorial Design

Design Generators: D = -ABC

Alias Structure (up to order 3)

I

A - BCD
B - ACD
C - ABD
D - ABC
AB - CD
AC - BD
AD - BC
ABCD

Alias Information for Terms in the Model.
Totally confounded terms were removed from the analysis.

I + A*B*C*D

Factorial Fit: Y versus A; B; C; D

Estimated Effects and Coefficients for Y (coded units)

Term	Effect	Coef
Constant		16,7450
A	2,1350	1,0675
B	-0,0250	-0,0125
C	-0,3300	-0,1650
D	-1,4900	-0,7450
A*B	-0,1100	-0,0550
A*C	0,8150	0,4075
A*D	0,2850	0,1425

S = *

Analysis of Variance for Y (coded units)

Source	DF	Seq SS	Adj SS	Adj MS	F	P
Main Effects	4	13,776	13,776	3,4439	*	*
2-Way Interactions	3	1,515	1,515	0,5050	*	*
Residual Error	0	*	*	*		
Total	7	15,291				

Alias Structure

I - A*B*C*D
A - B*C*D
B - A*C*D
C - A*B*D
D - A*B*C
A*B - C*D
A*C - B*D
A*D - B*C