

Figure 1: Quadratic concave function $C_1(x_1, x_2)$.

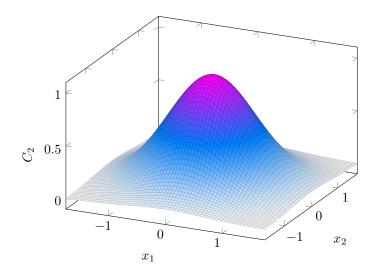


Figure 2: Two variable Gaussian function $C_2(x_1,x_2)$.

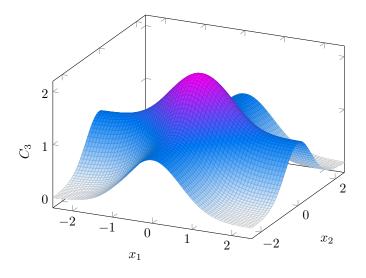


Figure 3: Modified version of Gaussian function $C_3(x_1,x_2)$.

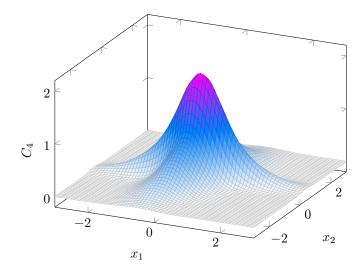


Figure 4: The proposed function $C_4(x_1, x_2)$ for a = 0.49.

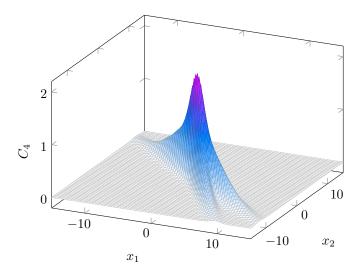
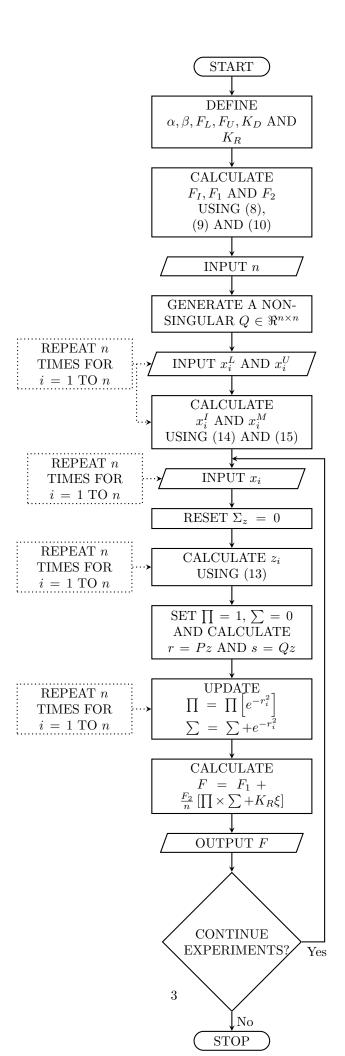


Figure 5: The proposed function $C_4(x_1, x_2)$ for a = 0.49.



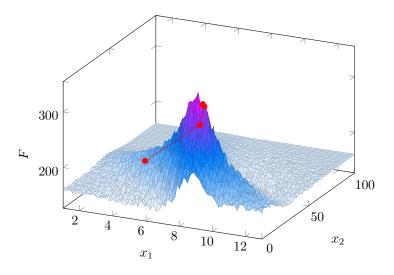


Figure 7: The proposed function $C_4(x_1, x_2)$ for a = 0.49.

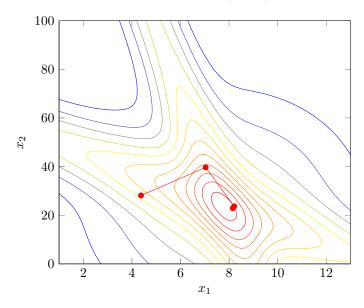


Figure 8: Contour plot of F with the constants given in Section $\ref{eq:section}$ superimposed with the RSM results.

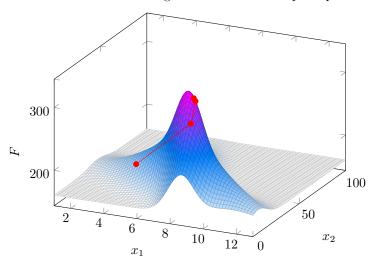


Figure 9: The proposed function $C_4(x_1, x_2)$ for a = 0.49.

Multifactorial experiment simulator

https://skgadi.com/tools/multifactorial-experiment-simulator/

08/12/2017

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Figure 10: The proposed function $C_4(x_1, x_2)$ for a = 0.49.