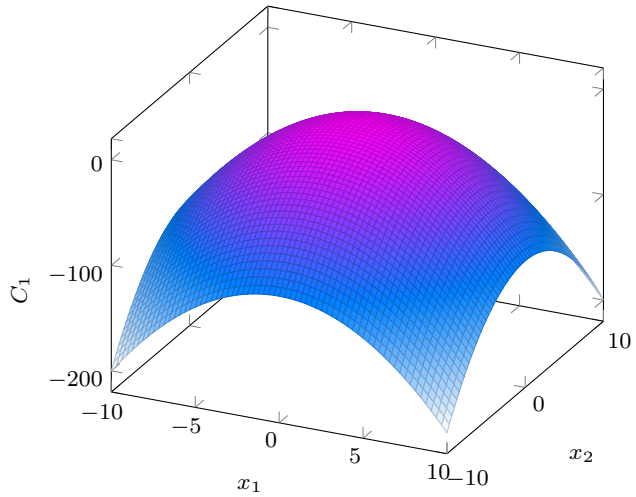

Fig. 1 Quadratic concave function $C_1(x_1, x_2)$.

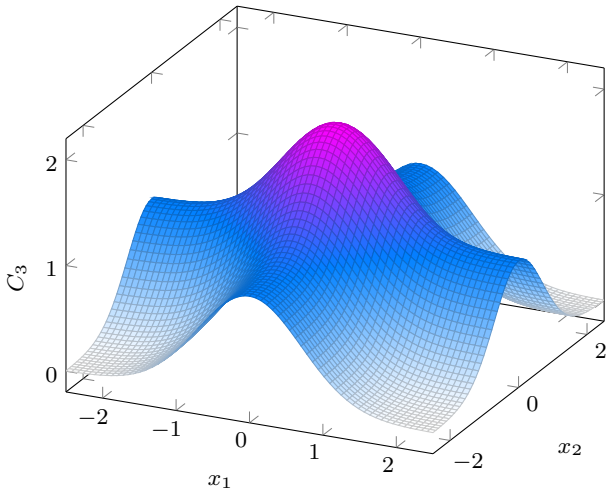

Fig. 3 Modified version of Gaussian function $C_3(x_1, x_2)$.

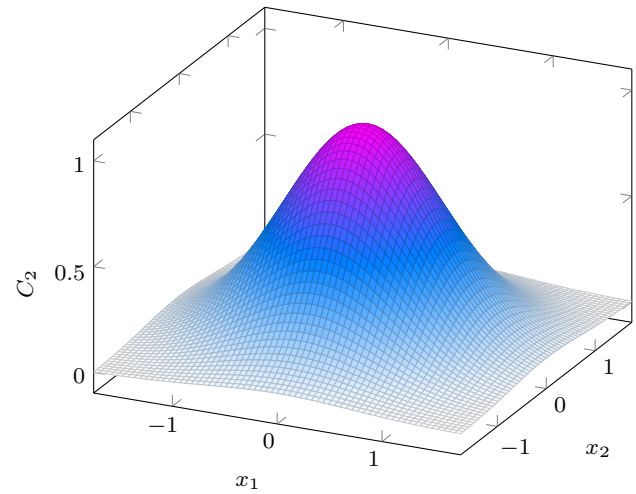

Fig. 2 Two variable Gaussian function $C_2(x_1, x_2)$.

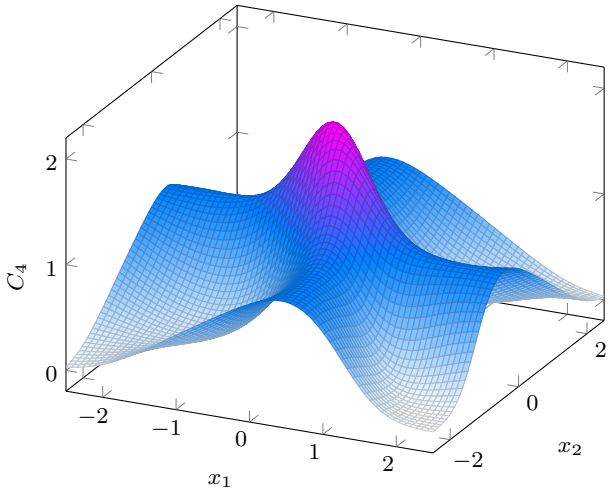

Fig. 4 The proposed function $C_4(x_1, x_2)$ for $a = 0.49$.

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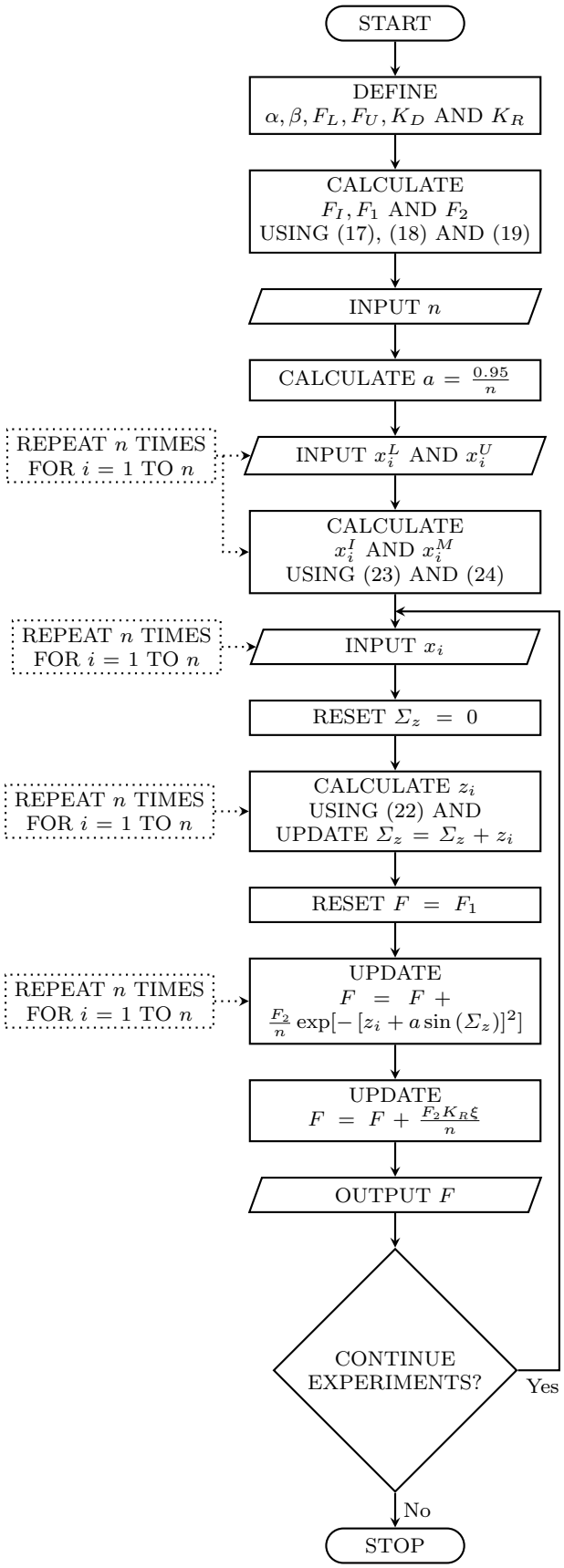

Fig. 5 Flowchart of the proposed algorithm

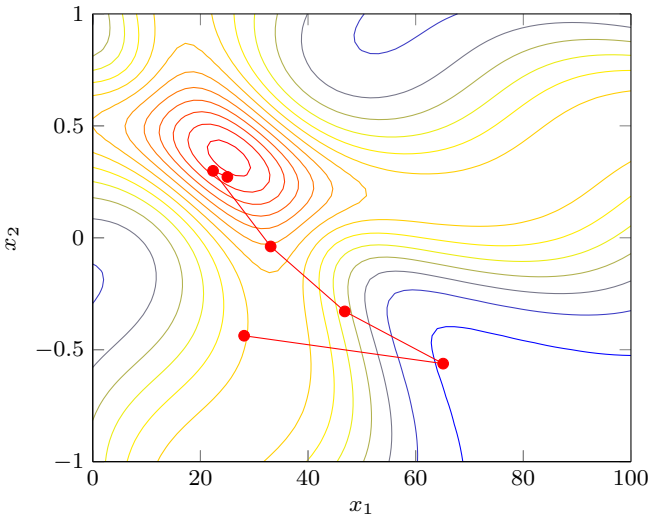

Fig. 6 Contour plot of F with the constants given in Section **??** superimposed with the RSM results.

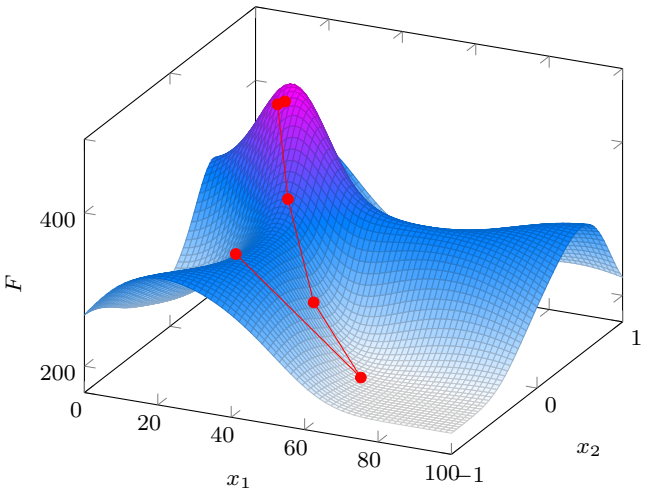

Fig. 7 The proposed function $C_4(x_1, x_2)$ for $a = 0.49$.

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