Name	Dimension	Function	Domain	Constraints
Schaffer function	1	$O_1(x) = x^2$ $O_2(x) = (x-2)^2$	$-10 \leq x \leq 10$	
Binh and Korn function	2	$O_1(x,y) = 4x^2 + 4y^2$ $O_2(x,y) = (x-5)^2 + (y-5)^2$	$0 \leq x \leq 5$ $0 \leq y \leq 3$	$g_1(x,y) = (x-5)^2 + y^2 \leq 25$ $g_2(x,y) = (x-8)^2 + (y+3)^2 \geq 7.7$
Fonseca and Fleming function	3	$O_1(x_i) = 1 - \exp\left(-\sum_{i=1}^{N}\left(x_i - \frac{1}{\sqrt{N}}\right)^2\right)$ $O_2(x_i) = 1 - \exp\left(-\sum_{i=1}^{N}\left(x_i + \frac{1}{\sqrt{N}}\right)^2\right)$	$-4 \leq x_i \leq 4$	