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