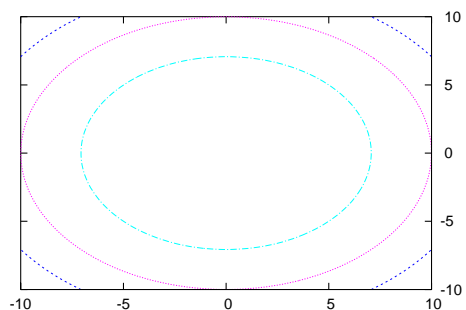
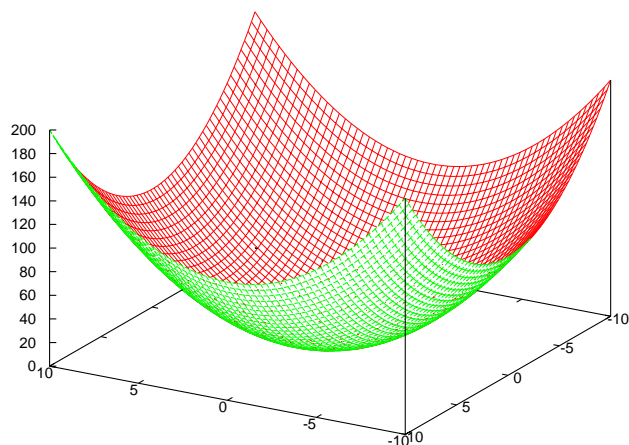
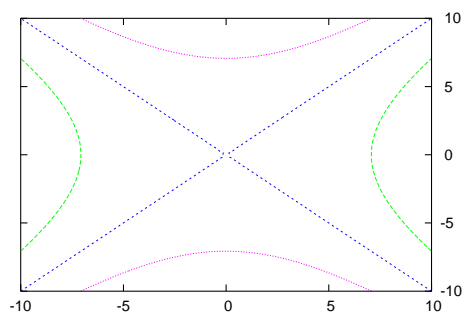
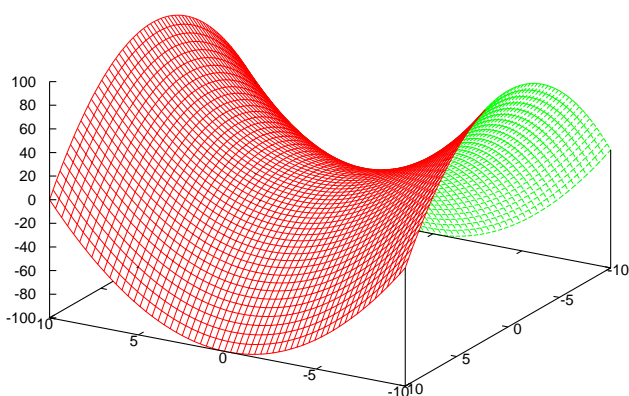


多変数関数の例

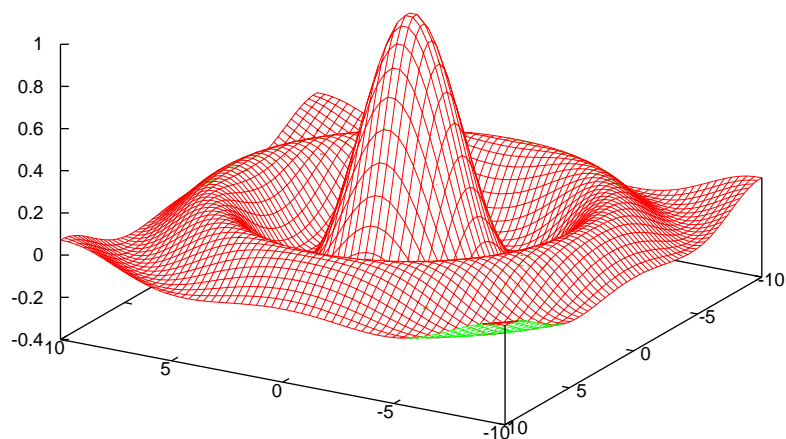
(1). $z = x^2 + y^2$



(2). $z = x^2 - y^2$

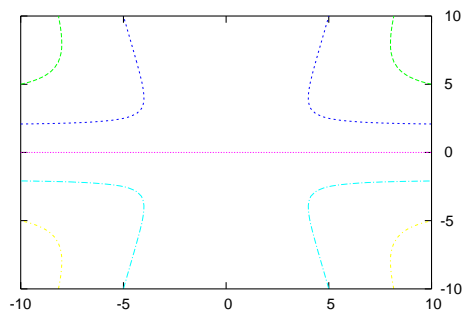
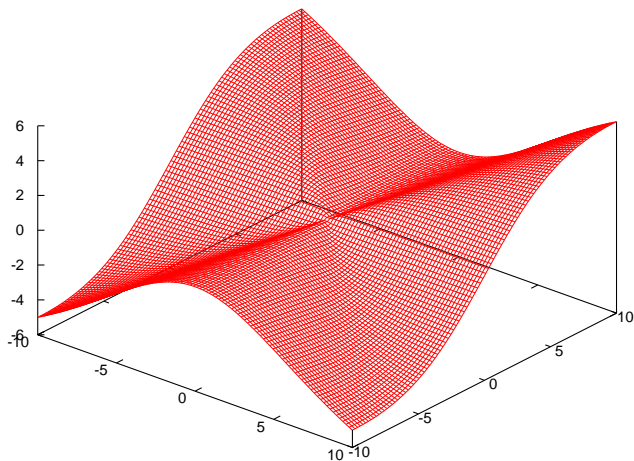


(3). $z = \frac{1}{\sqrt{x^2 + y^2}} \sin(\sqrt{x^2 + y^2})$

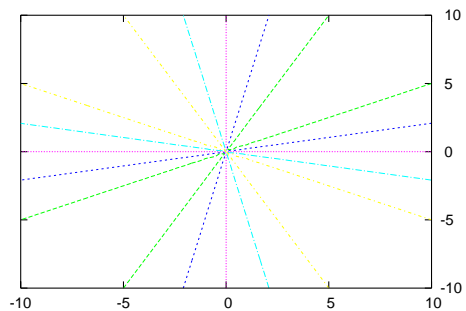
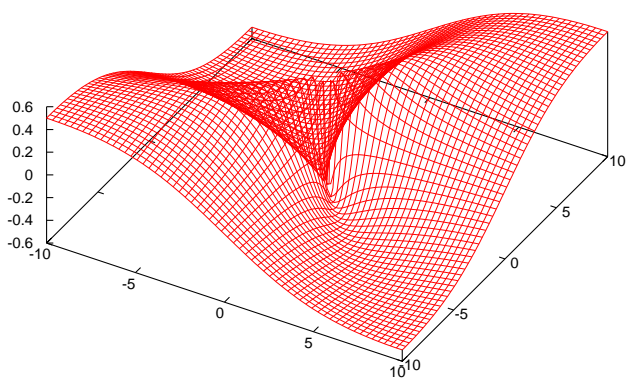


連続性

(1). 連続関数 $z = \frac{x^2 y}{x^2 + y^2}$



(2). 原点で不連続な関数 $z = \frac{xy}{x^2 + y^2}$



接平面

$z = -x^2 - y^2$ の $(1, 1)$ における接平面 $z = -2(x - 1) - 2(y - 1) - 2$

