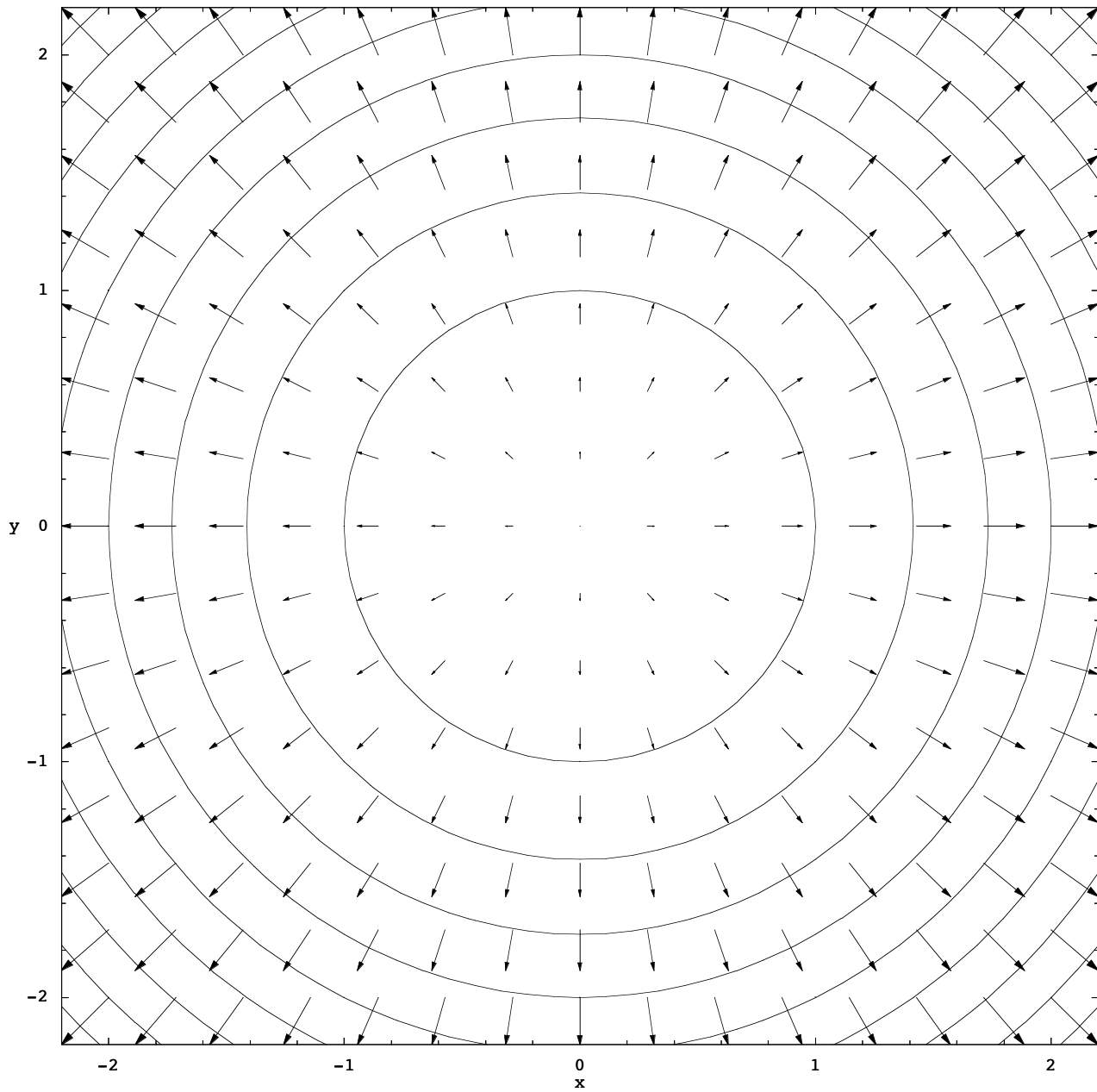
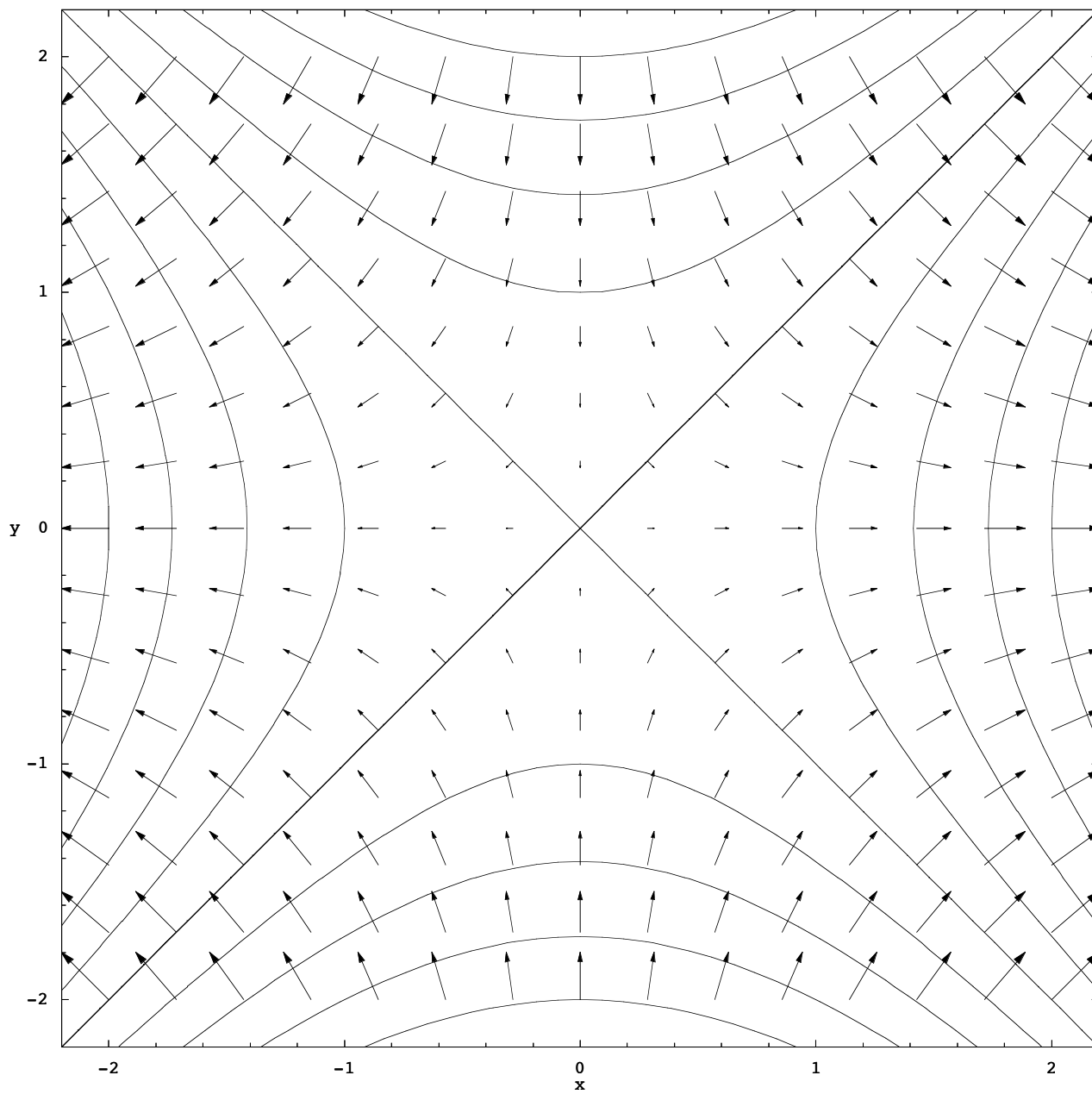


Examples of gradient vectors and level curves



$$f(x,y) = x^2 + y^2$$



$$f(x,y) = x^2 - y^2$$