

$$u(x, y) := -\left(x^2 + 2x \cdot y + y^2\right) + \frac{x^2 + y^2}{15}$$

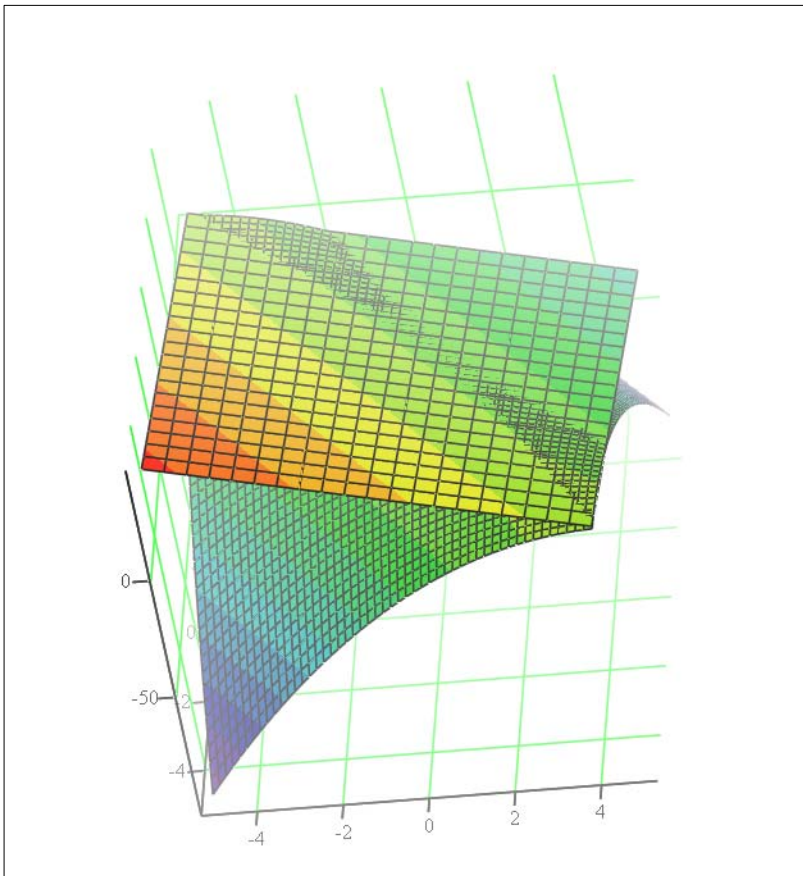
$$x0 := 1 \quad y0 := 1 \quad u0 := u(x0, y0)$$

$$ux(x, y) := \frac{d}{dx}u(x, y) \quad ux0 := ux(x0, y0)$$

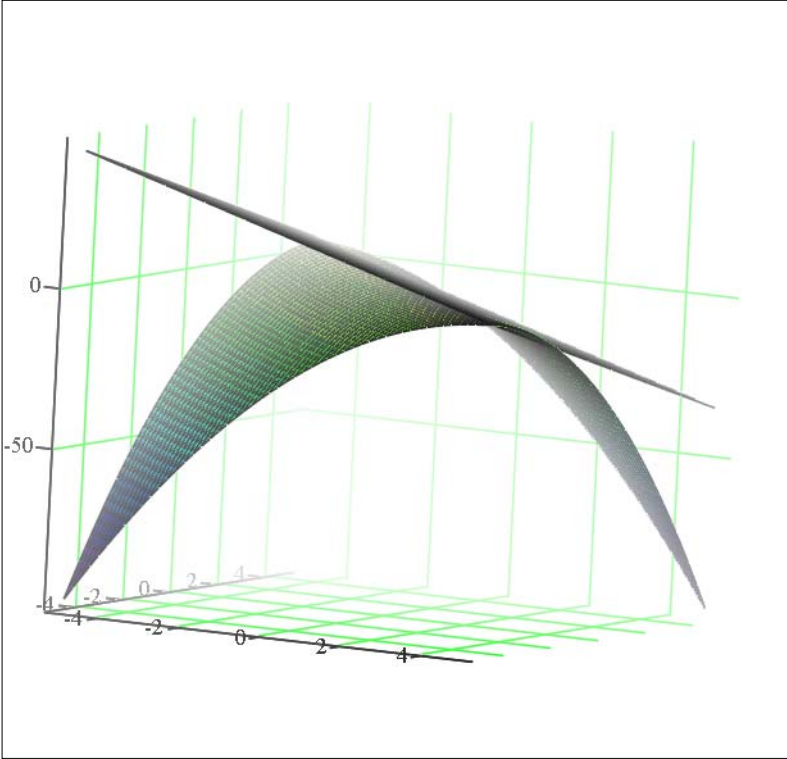
$$uy(x, y) := \frac{d}{dy}u(x, y)$$

$$uy0 := uy(x0, y0)$$

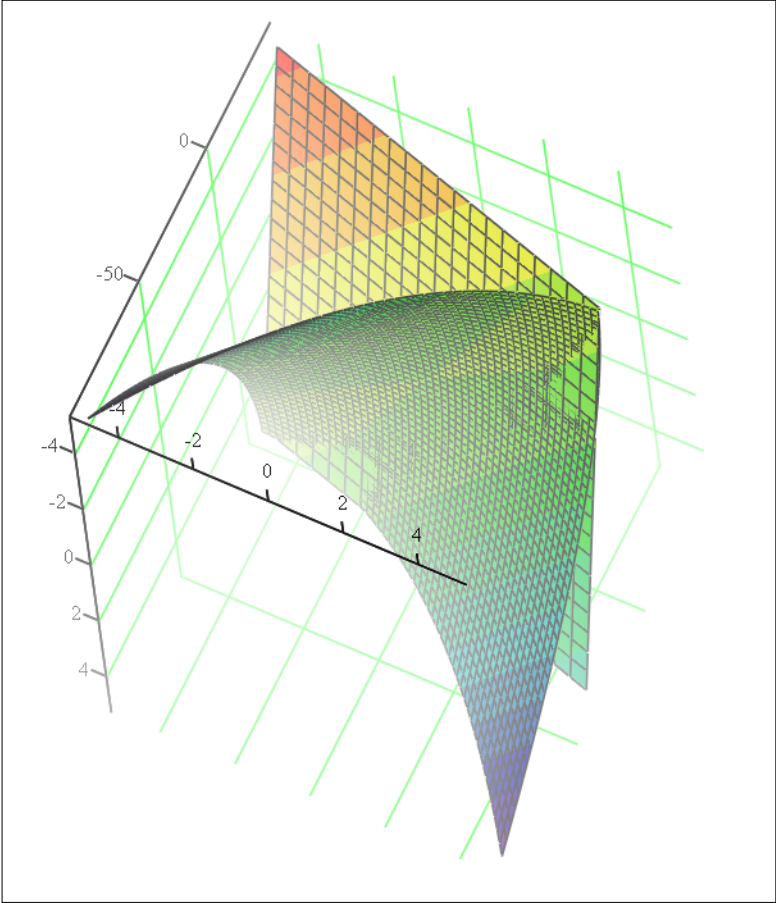
$$v(x, y) := u0 + ux0 \cdot (x - x0) + uy0 \cdot (y - y0) + 0.51$$



u, v



u, v



u, v