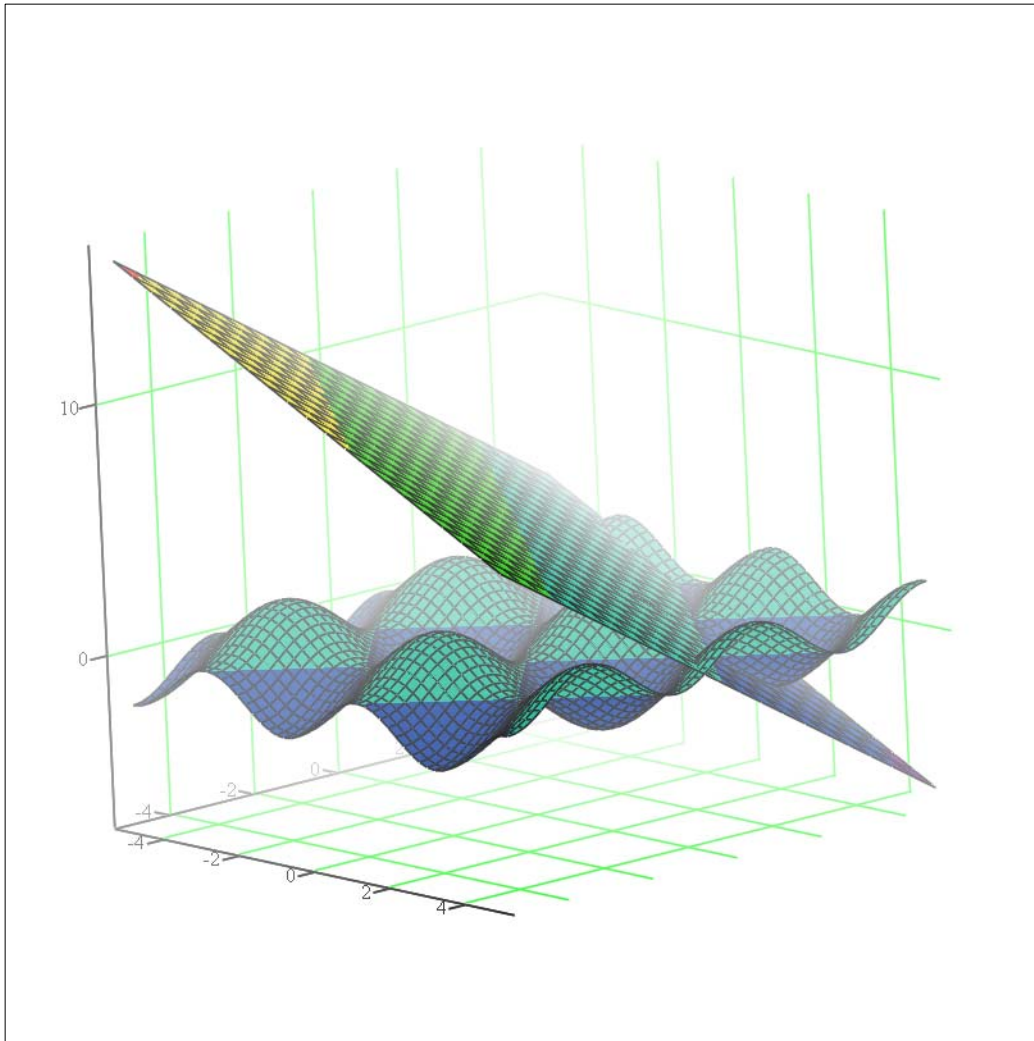


$$u(x, y) := \sin(1.57x) + \sin(1.57y)$$

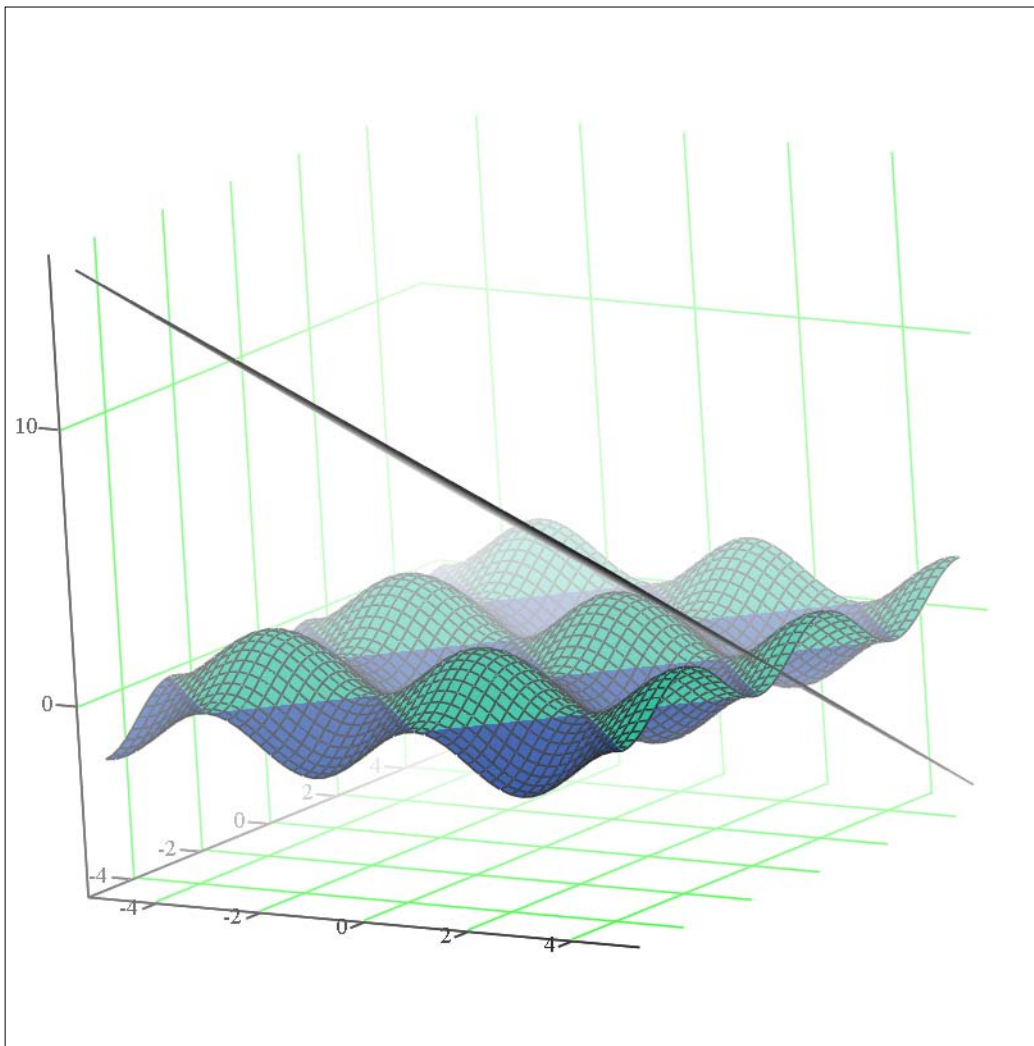
$$x0 := 1.4 \quad y0 := 1.6 \quad u0 := u(x0, y0)$$

$$u_x(x, y) := \frac{d}{dx}u(x, y) \quad u_{x0} := u_x(x0, y0) \quad u_y(x, y) := \frac{d}{dy}u(x, y) \quad u_{y0} := u_y(x0, y0)$$

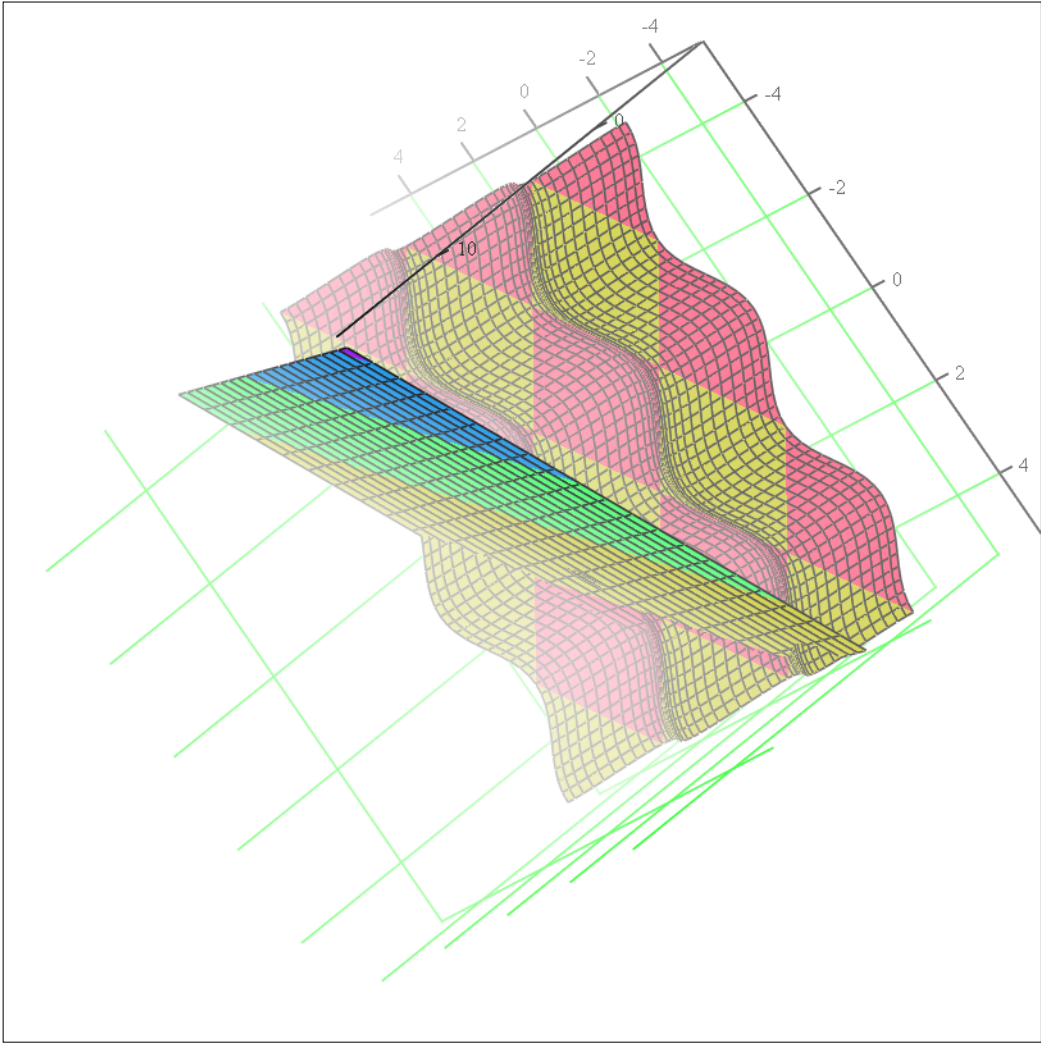
$$v(x, y) := u0 + u_{x0} \cdot (x - x0) + u_{y0} \cdot (y - y0)$$



u, v



u, v



u,v