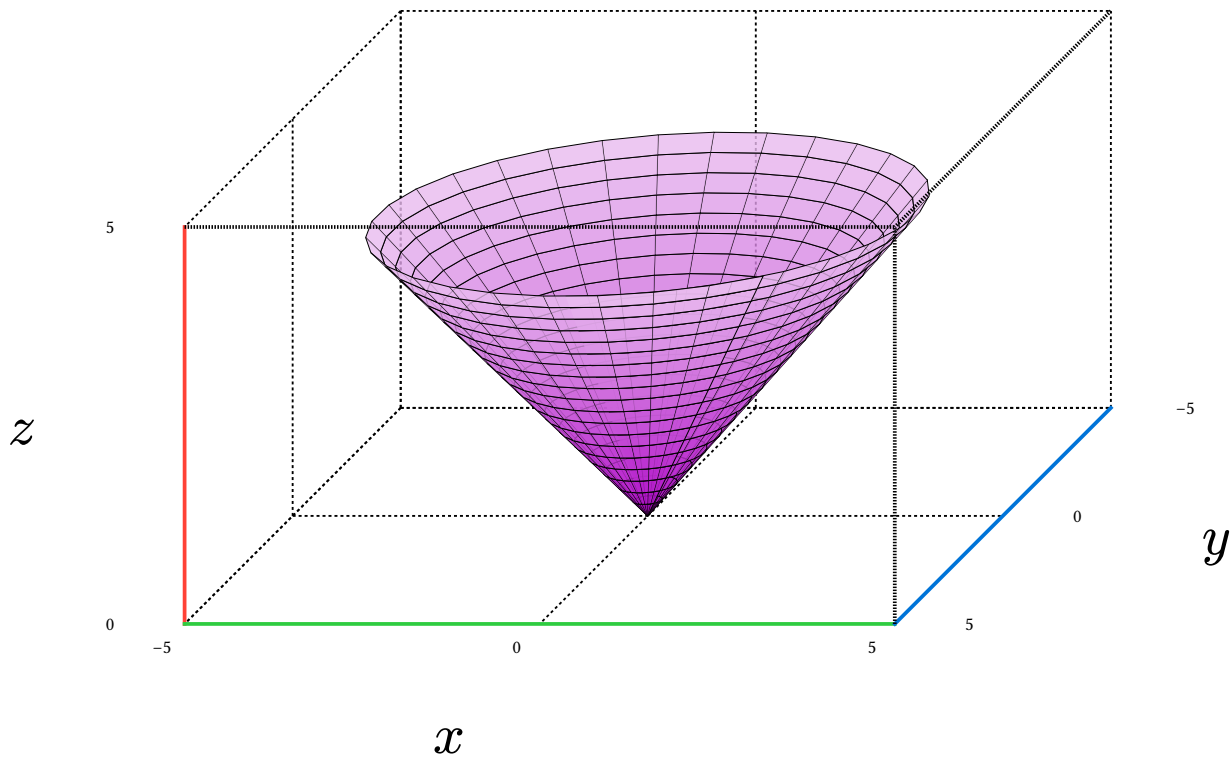


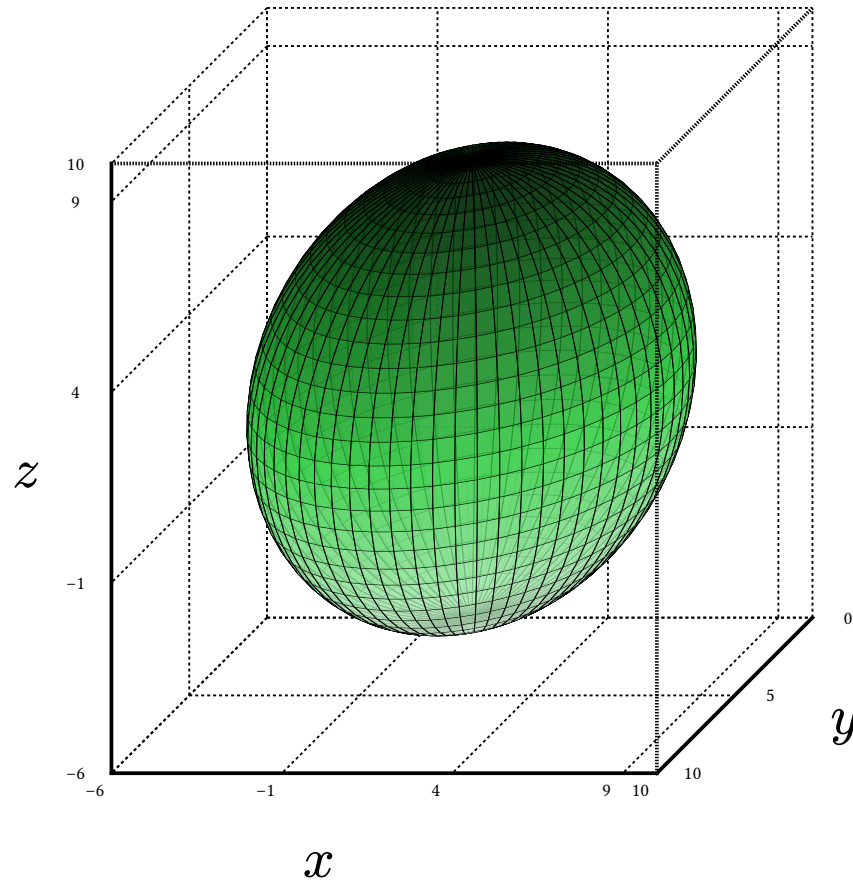
# Parametric Surface

$$x(u, v) = u \sin(v), \quad y(u, v) = u \cos(v), \quad z(u, v) = u$$



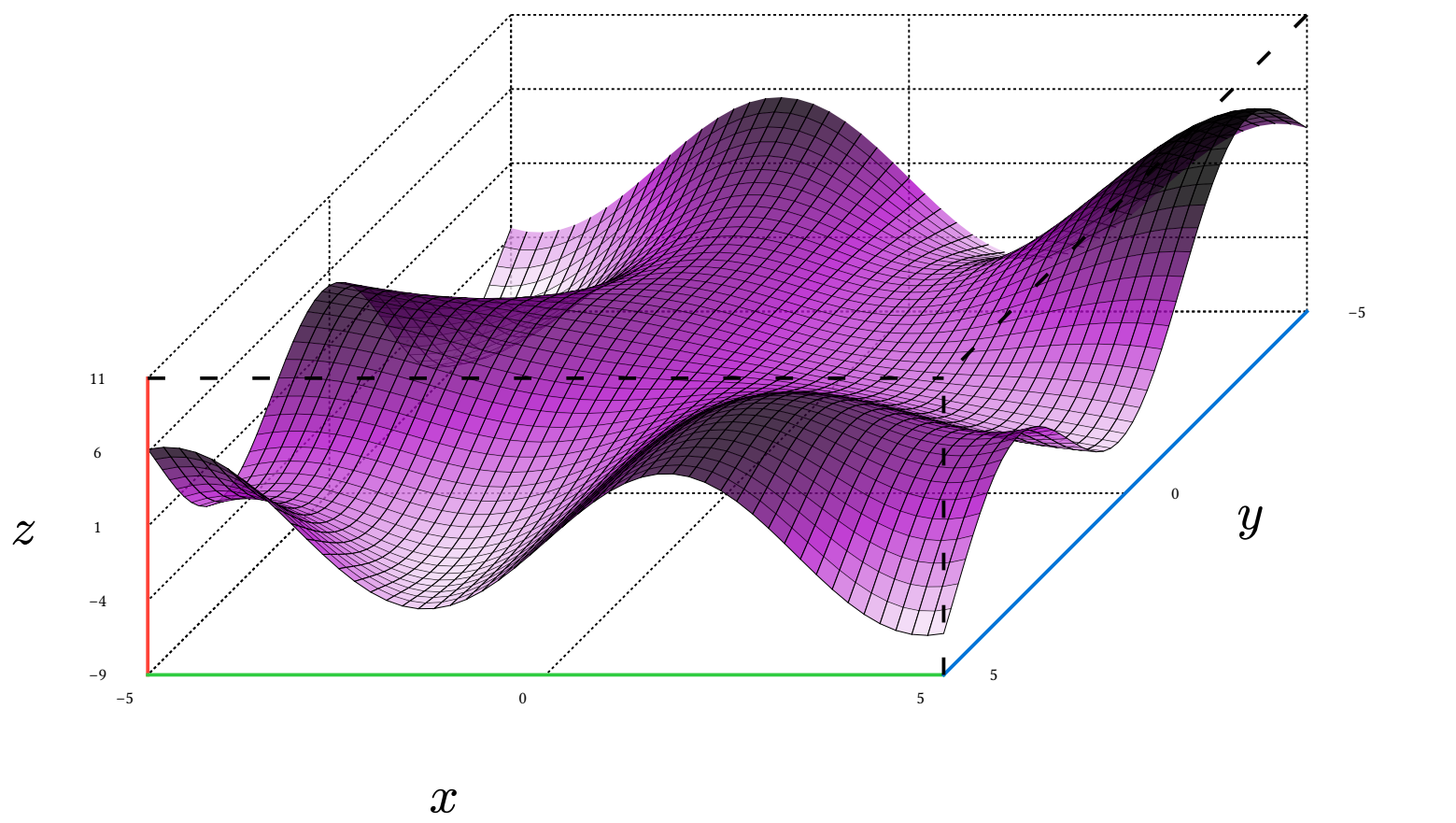
# Parametric Surface

$$x(u, v) = 6 \cos(u) \sin(v), \quad y(u, v) = 6 \sin(u) \sin(v), \quad z(u, v) = 6 \cos(v)$$



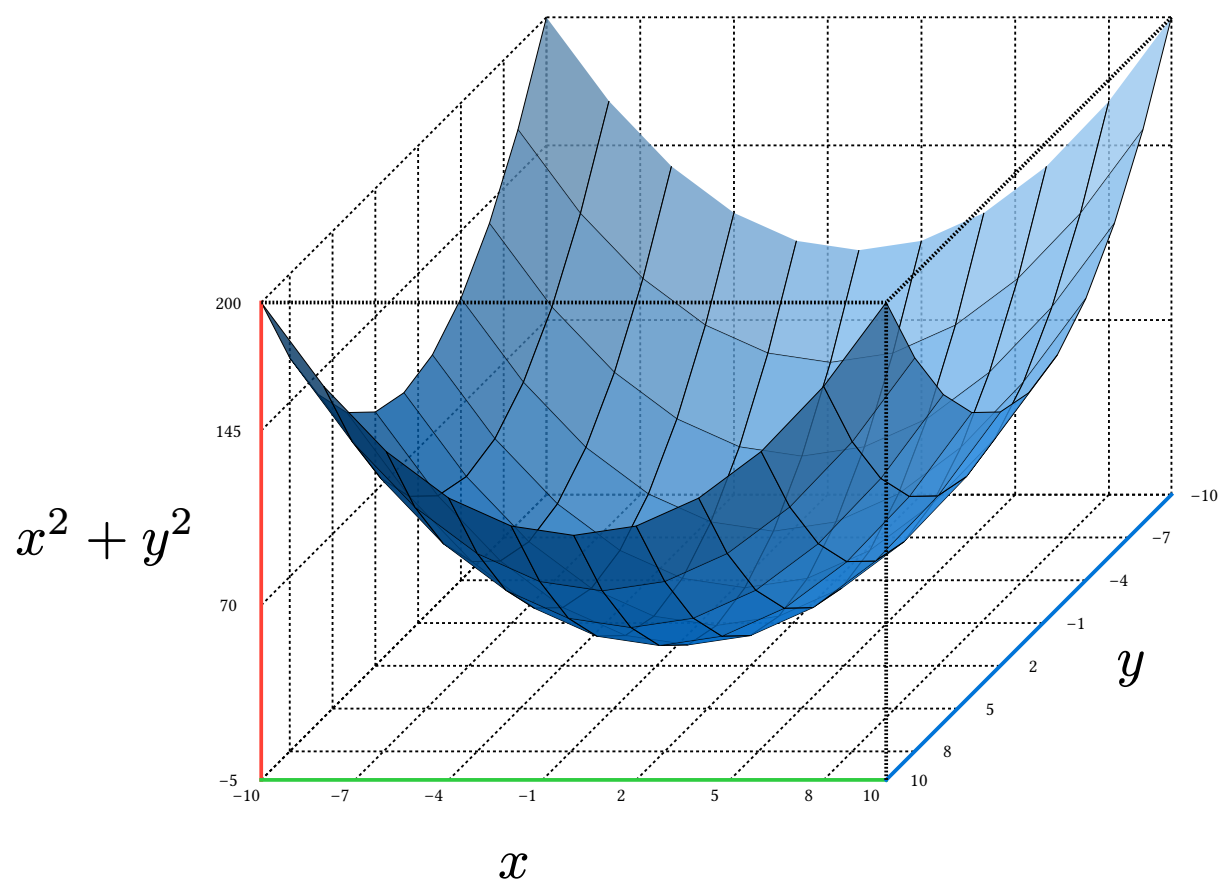
# 3D Surface

$$z = y \sin(x) - x \cos(y)$$



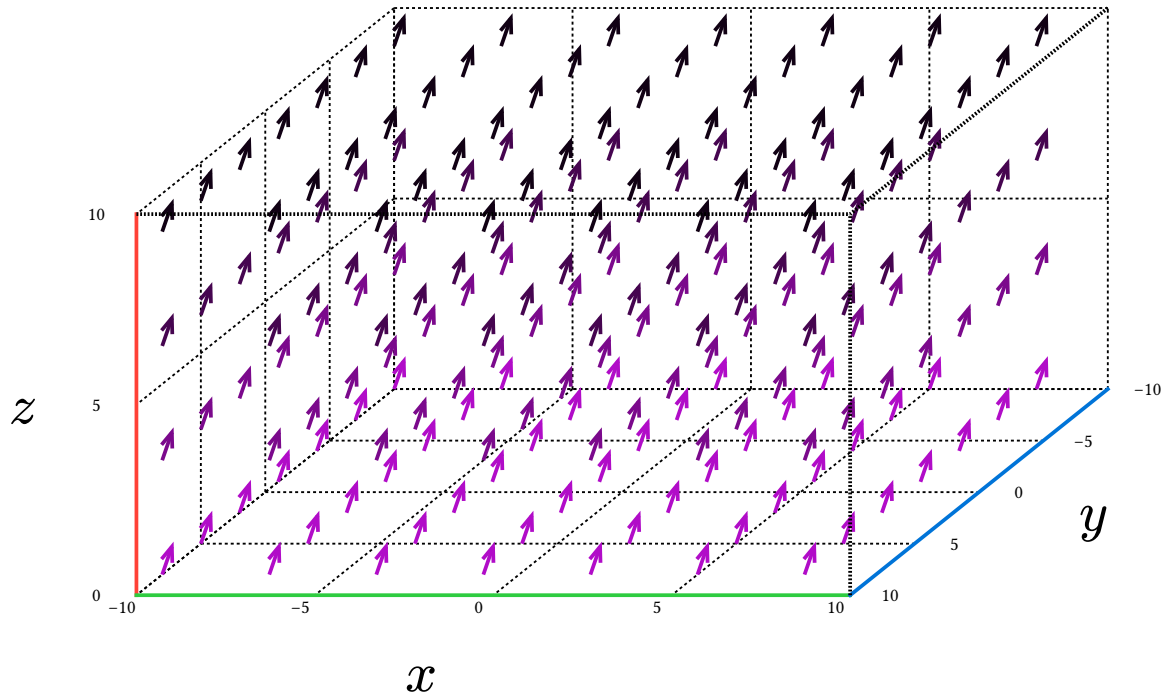
# 3D Surface

$$z = x^2 + y^2$$



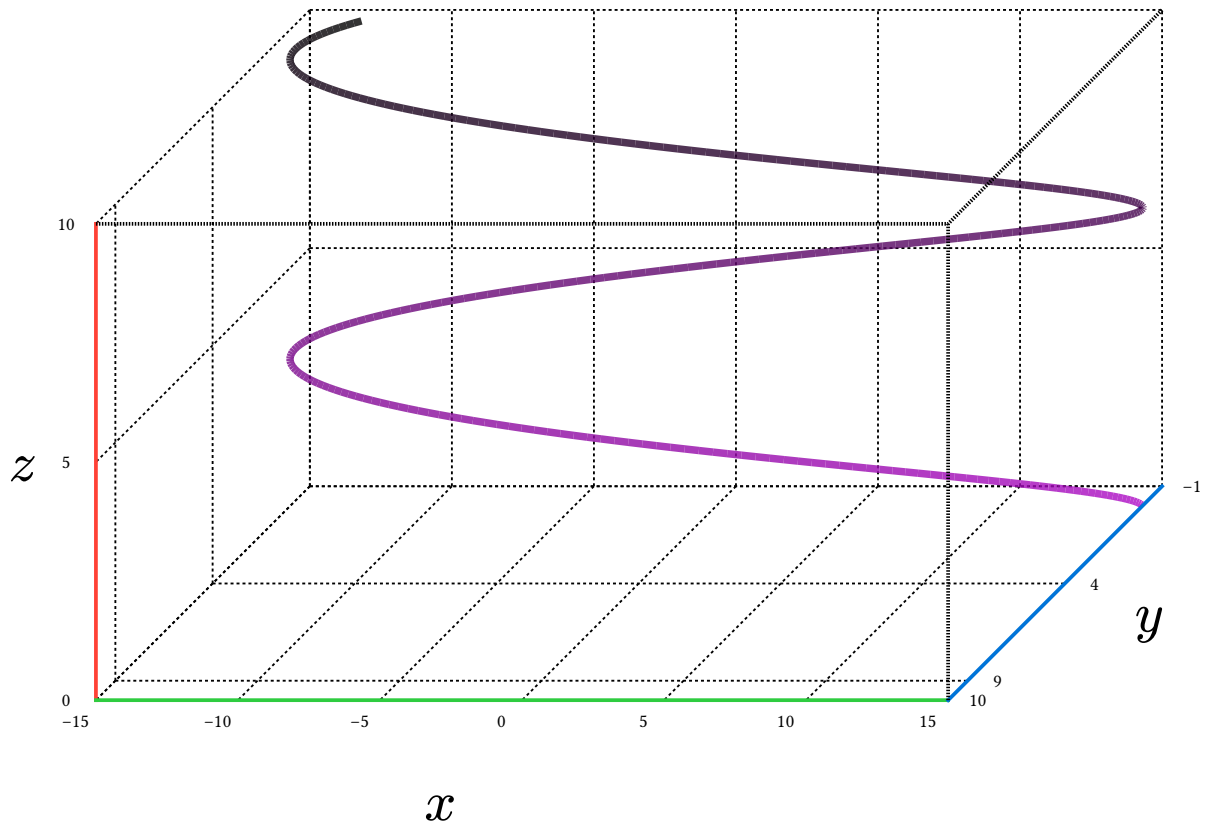
# 3D Vector Field

$$\vec{p}(x, y, z) = (x + 0.5)\hat{i} + (y + 0.5)\hat{j} + (z + 1)\hat{k}$$



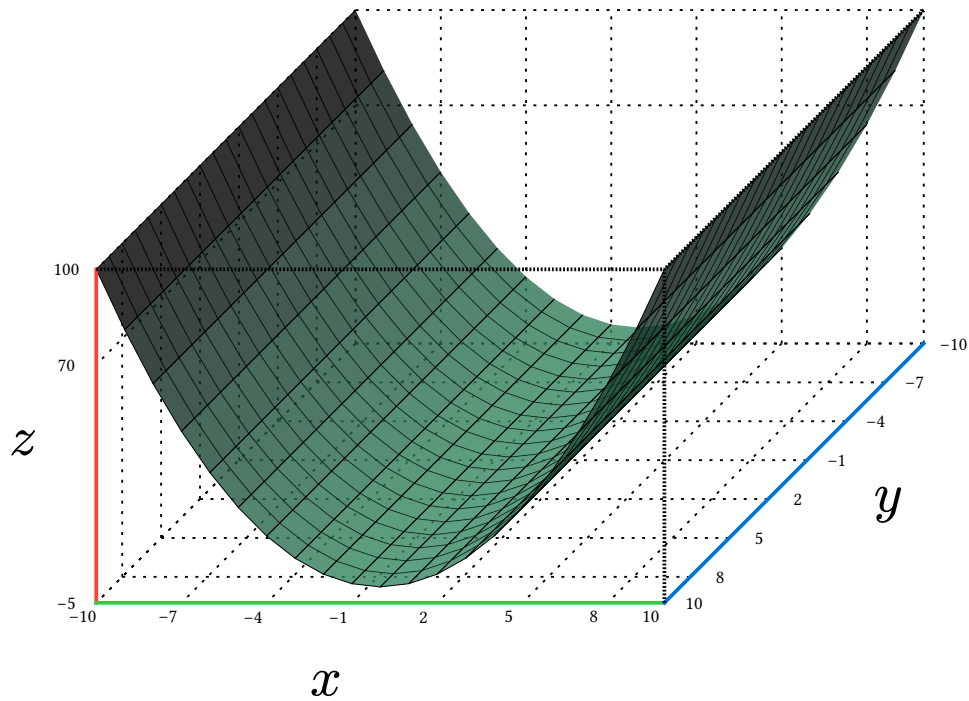
# Parametric Curve

$$x(t) = 15 \cos(t), \quad y(t) = \sin(t), \quad z(t) = t$$



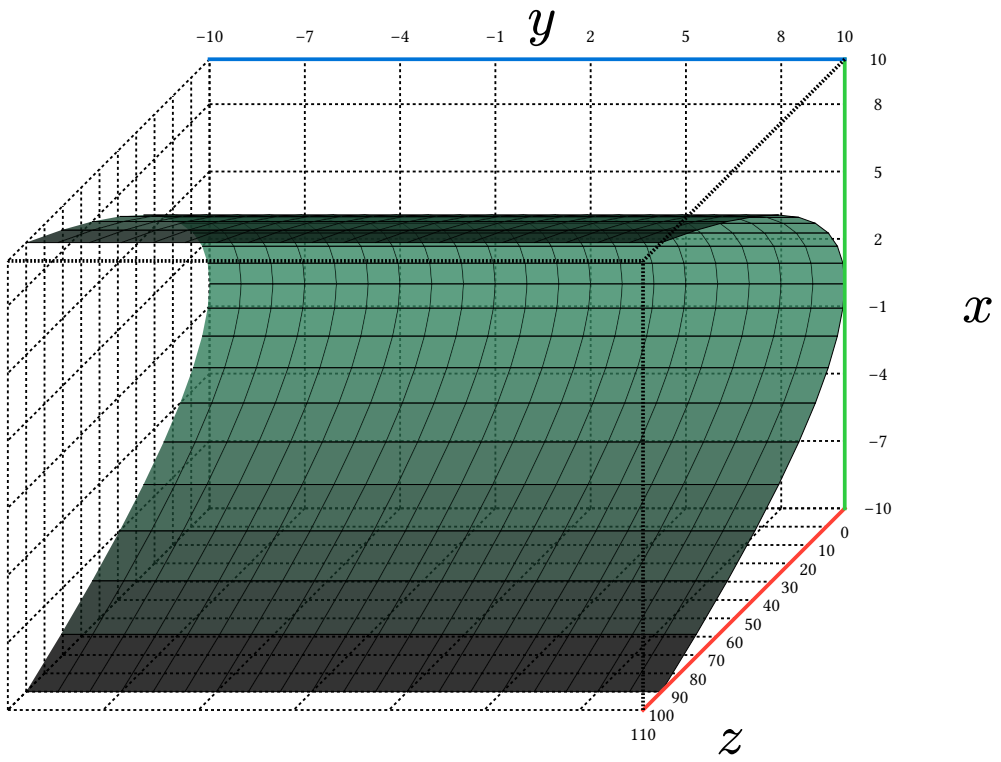
3D Surface

$z = x^2$



3D Surface

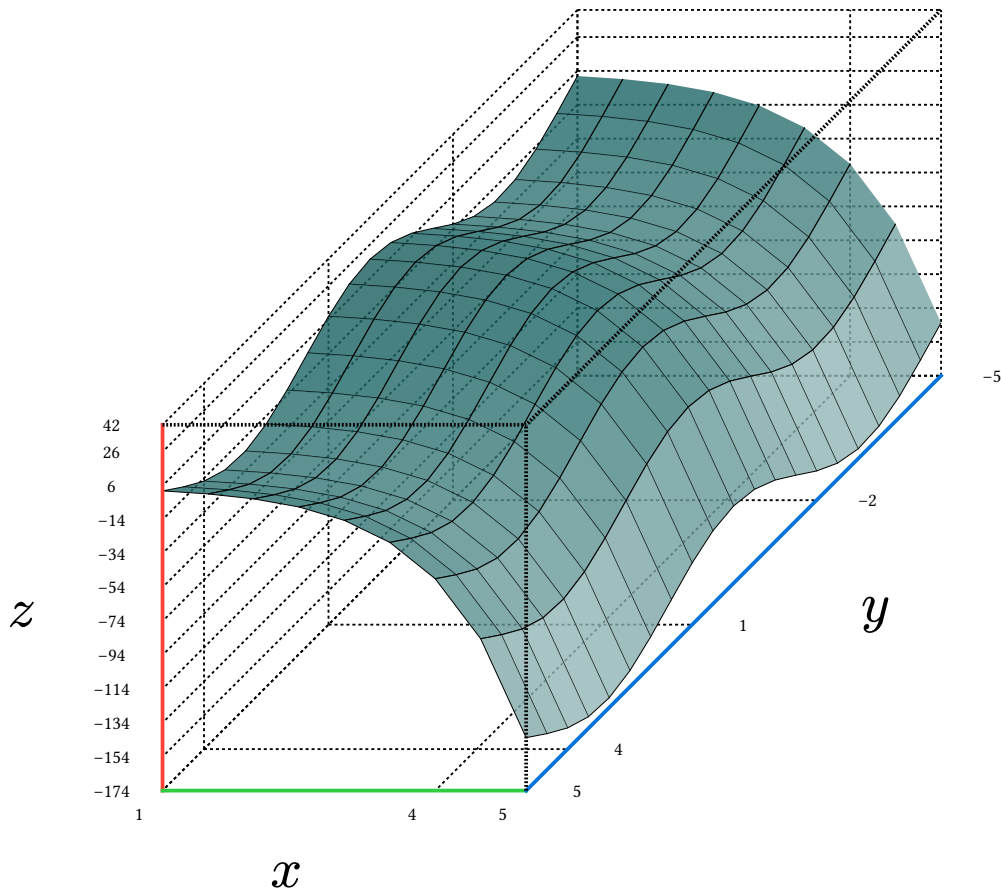
$z = x^2$





# 3D Surface

$$z = -e^x + 20 \cos(y)$$



# 3D Surface

$z = 10x$

