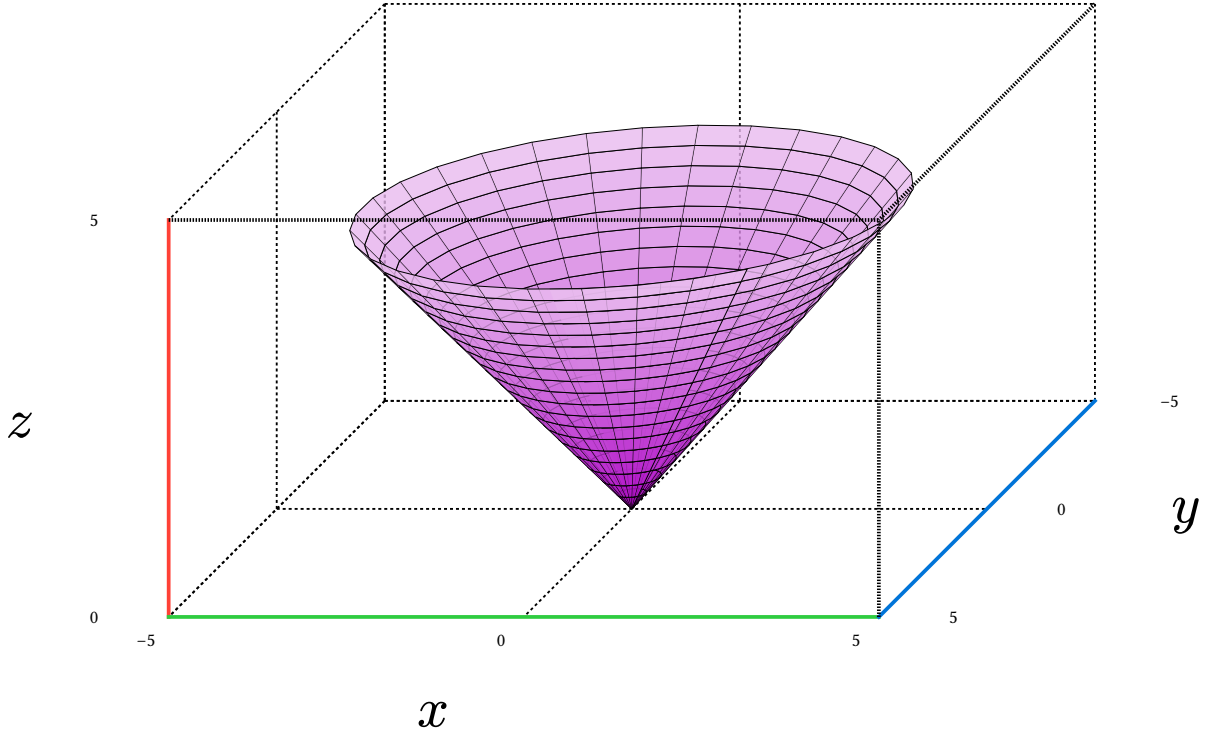
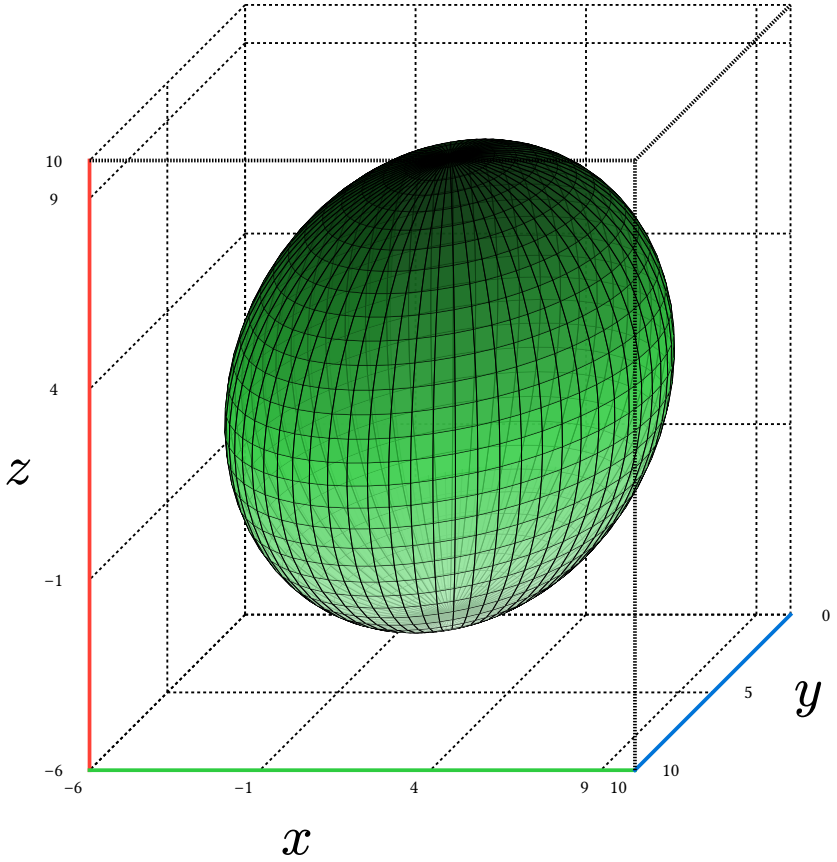
Parametric Surface

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



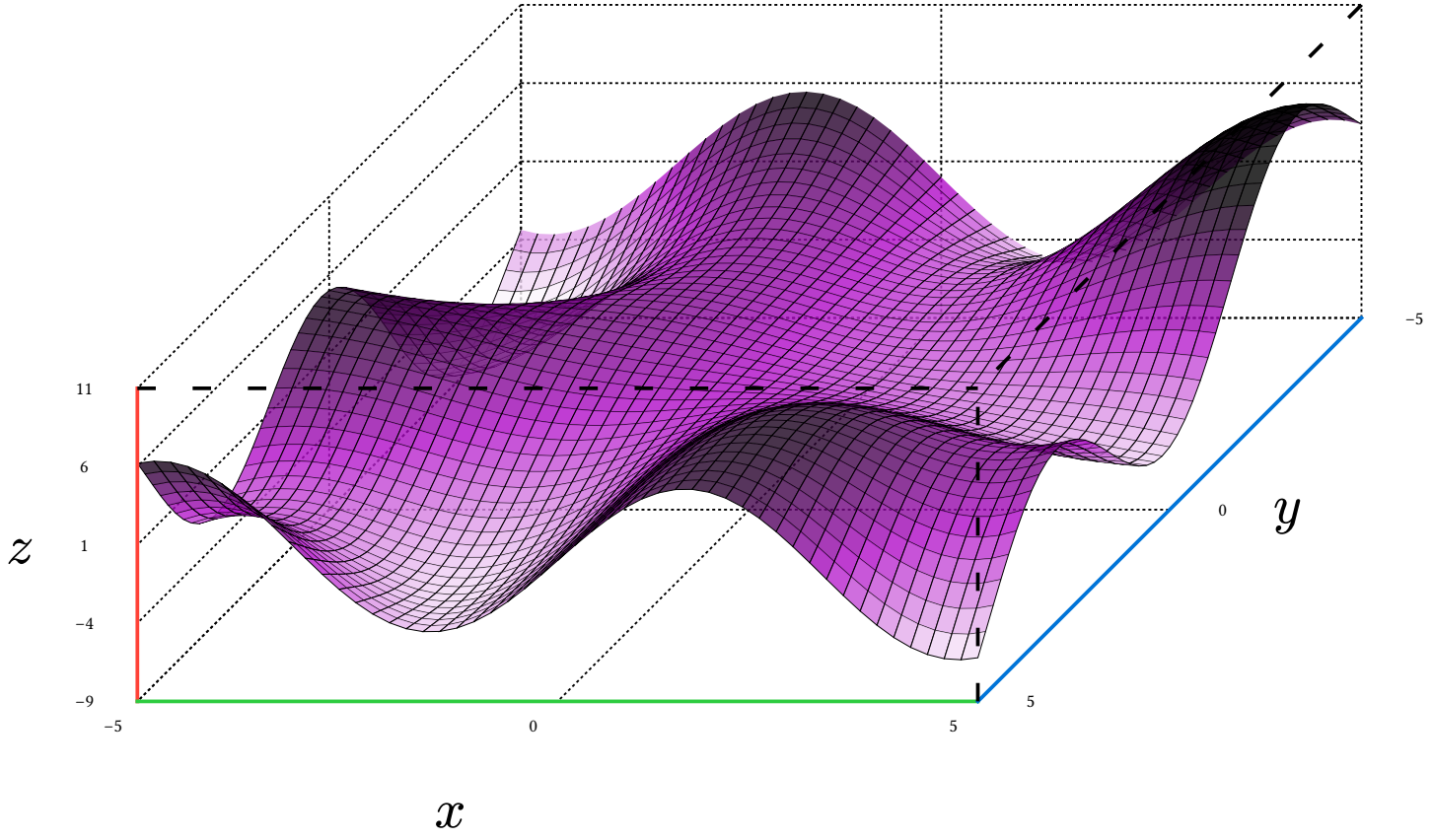
Parametric Surface

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



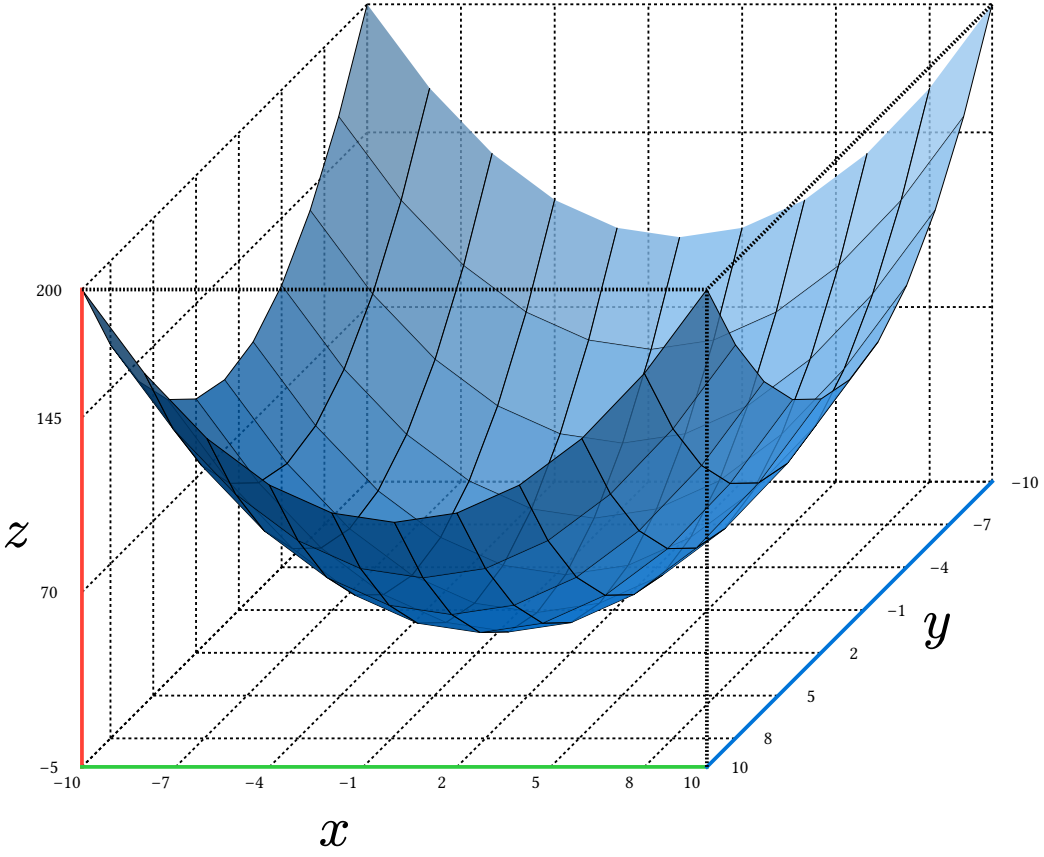
3D Surface

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



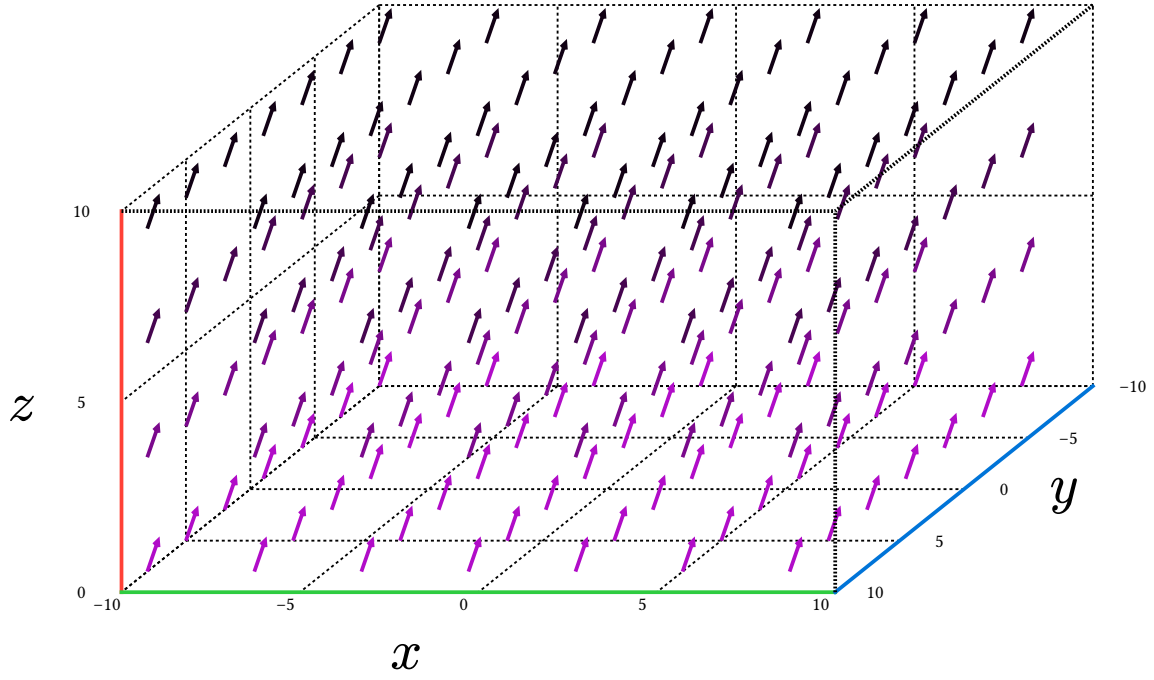
3D Surface

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



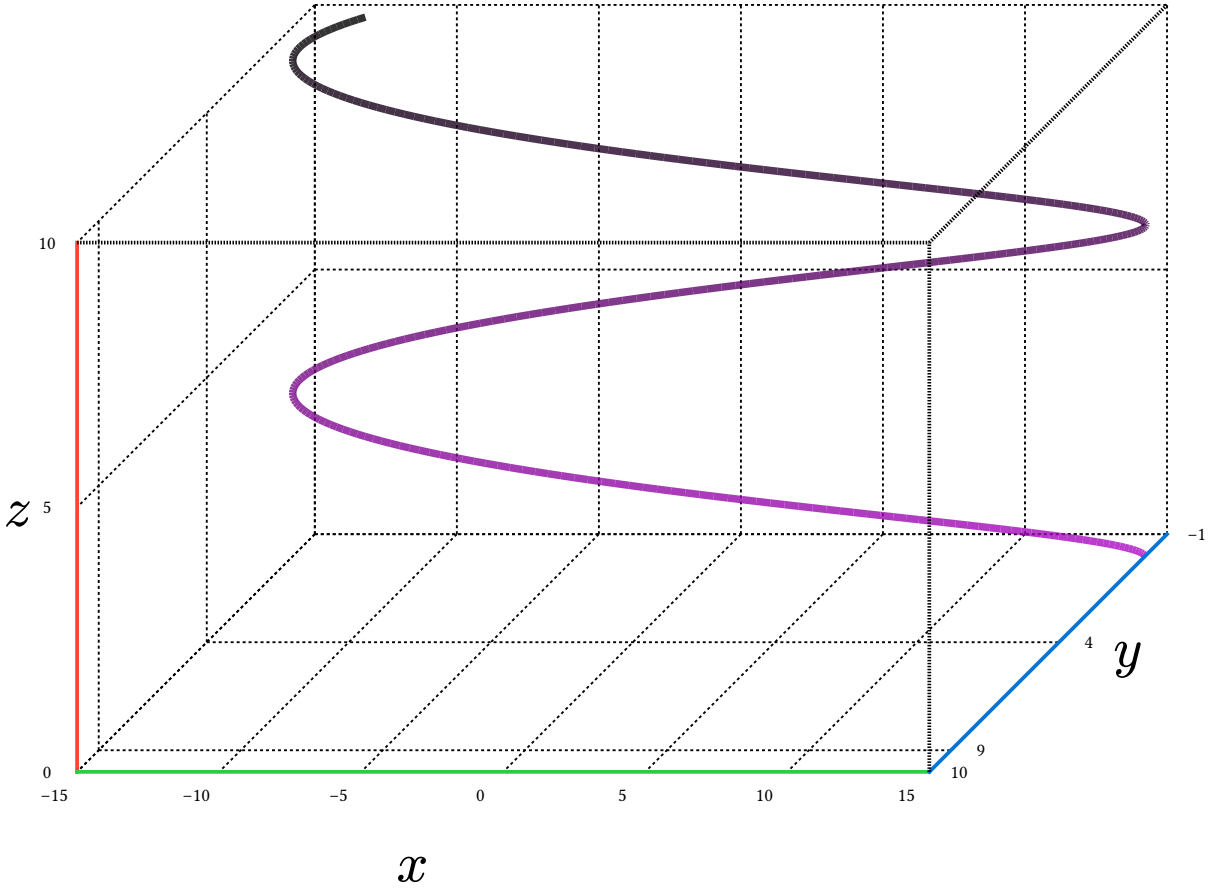
3D Vector Field

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



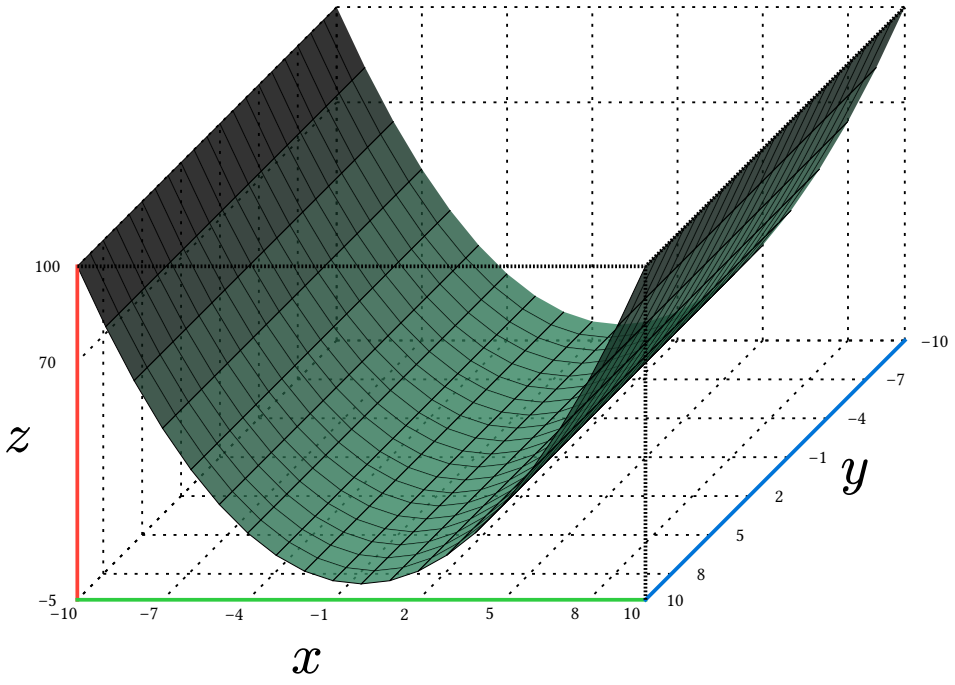
Parametric Curve

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

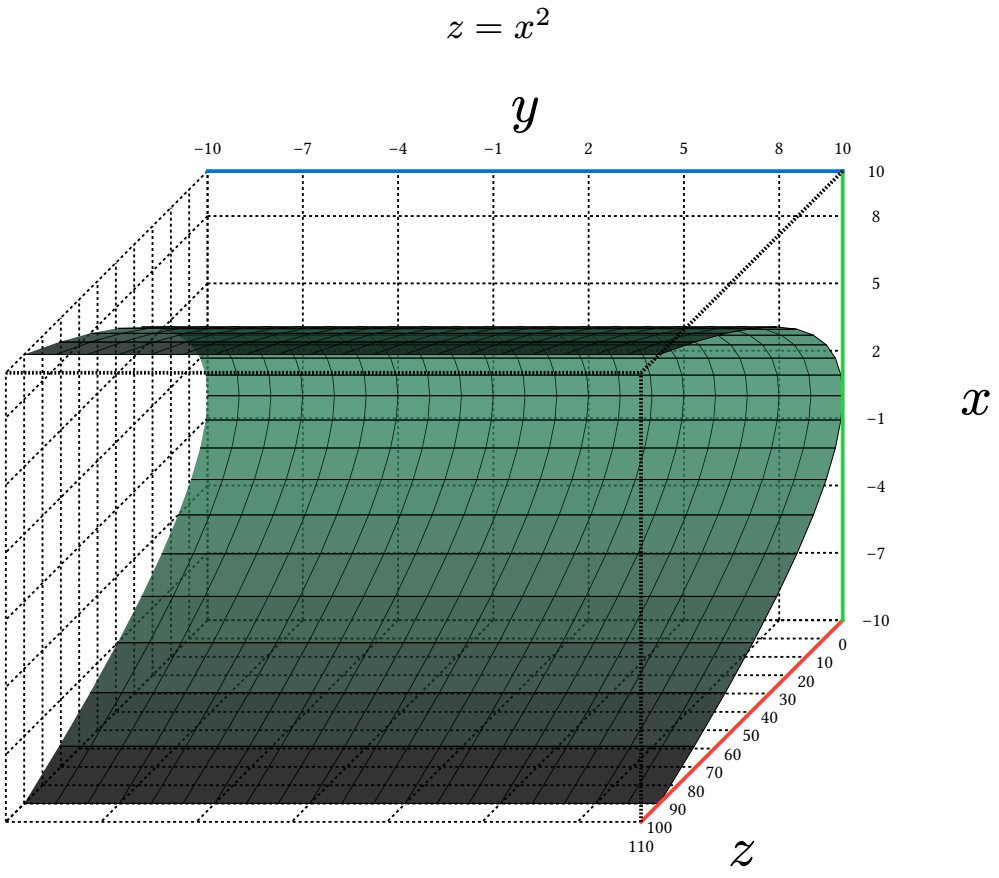


3D Surface

$$z = x^2$$

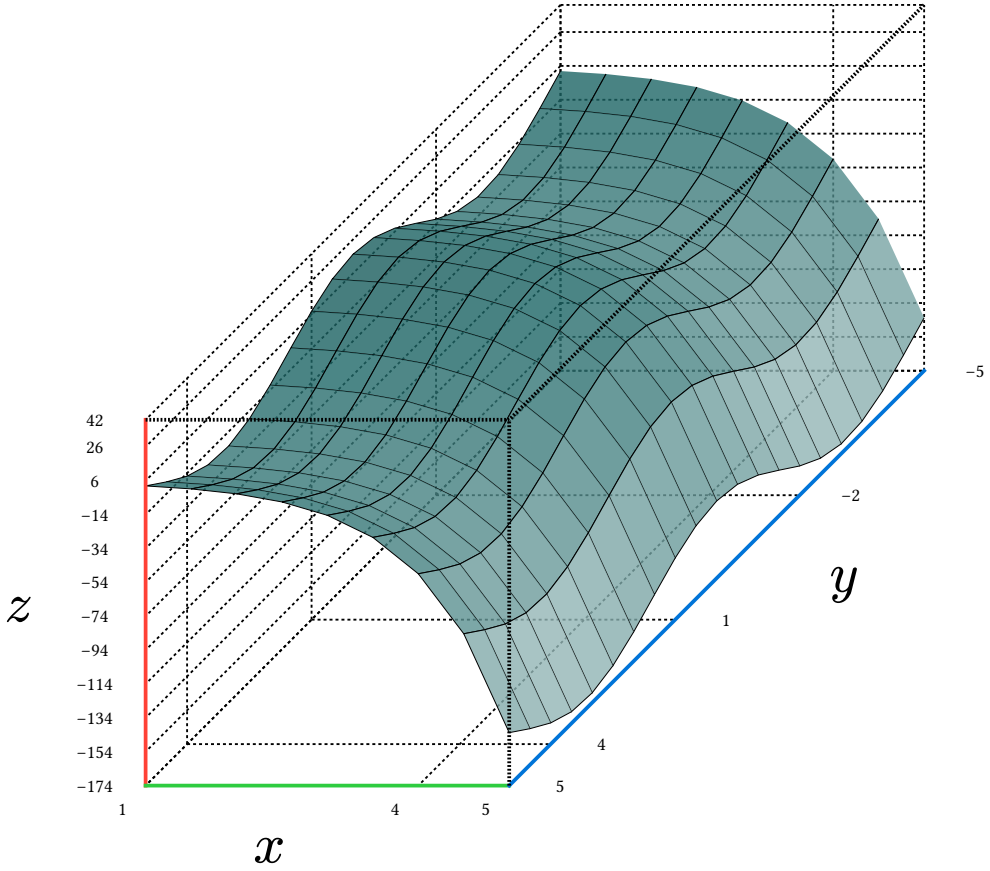


3D Surface


$z = x^2$
y
−10
−7
−4
−1
2
5
8
10
x
10
8
5
2
−1
−4
−7
−10
z
0
10
20
30
40
50
60
70
80
90
100
110

3D Surface

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



3D Surface

$$z = 10x$$