

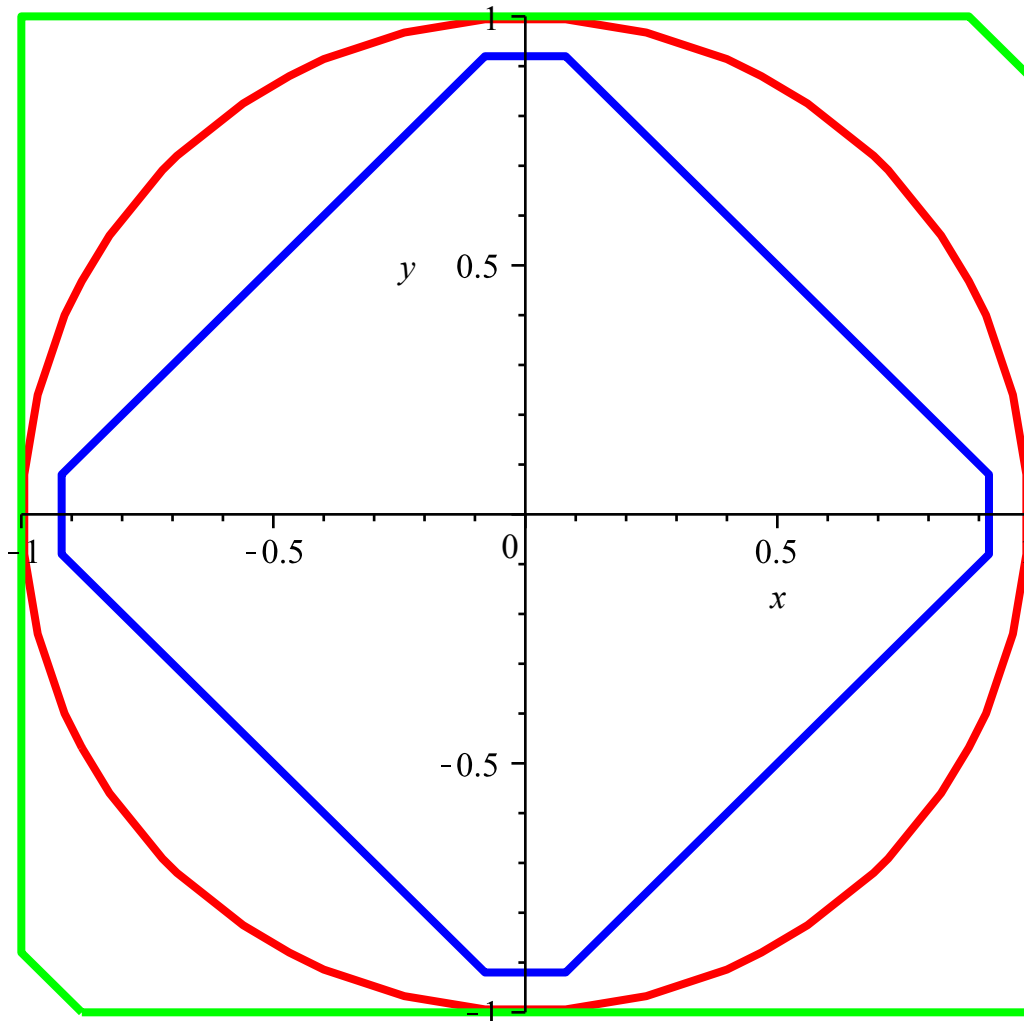
with(plots) :

a := implicitplot($x^2 + y^2 = 1$, $x = -2 .. 2$, $y = -2 .. 2$, thickness = 3, color = red) :

b := implicitplot($\text{abs}(x) + \text{abs}(y) = 1$, $x = -2 .. 2$, $y = -2 .. 2$, thickness = 3, color = blue) :

c := implicitplot($\max(\text{abs}(x), \text{abs}(y)) = 1$, $x = -2 .. 2$, $y = -2 .. 2$, thickness = 3, color = green) :

display(a, b, c)



d := implicitplot3d($x^2 + y^2 + z^2 = 1$, $x = -2 .. 2$, $y = -2 .. 2$, $z = -2 .. 2$, transparency = 0.1, style = wireframe, numpoints = 5000, color = magenta) :

e := implicitplot3d($\text{abs}(x) + \text{abs}(y) + \text{abs}(z) = 1$, $x = -2 .. 2$, $y = -2 .. 2$, $z = -2 .. 2$, transparency = 0.5, style = wireframeopaque, numpoints = 3000, color = RED) :

f := implicitplot3d($\max(\text{abs}(x), \text{abs}(y), \text{abs}(z)) = 1$, $x = -2 .. 2$, $y = -2 .. 2$, $z = -2 .. 2$, transparency = .6, style = wireframeopaque, numpoints = 3000) :

display(d, f, e)

