

with(plots) :

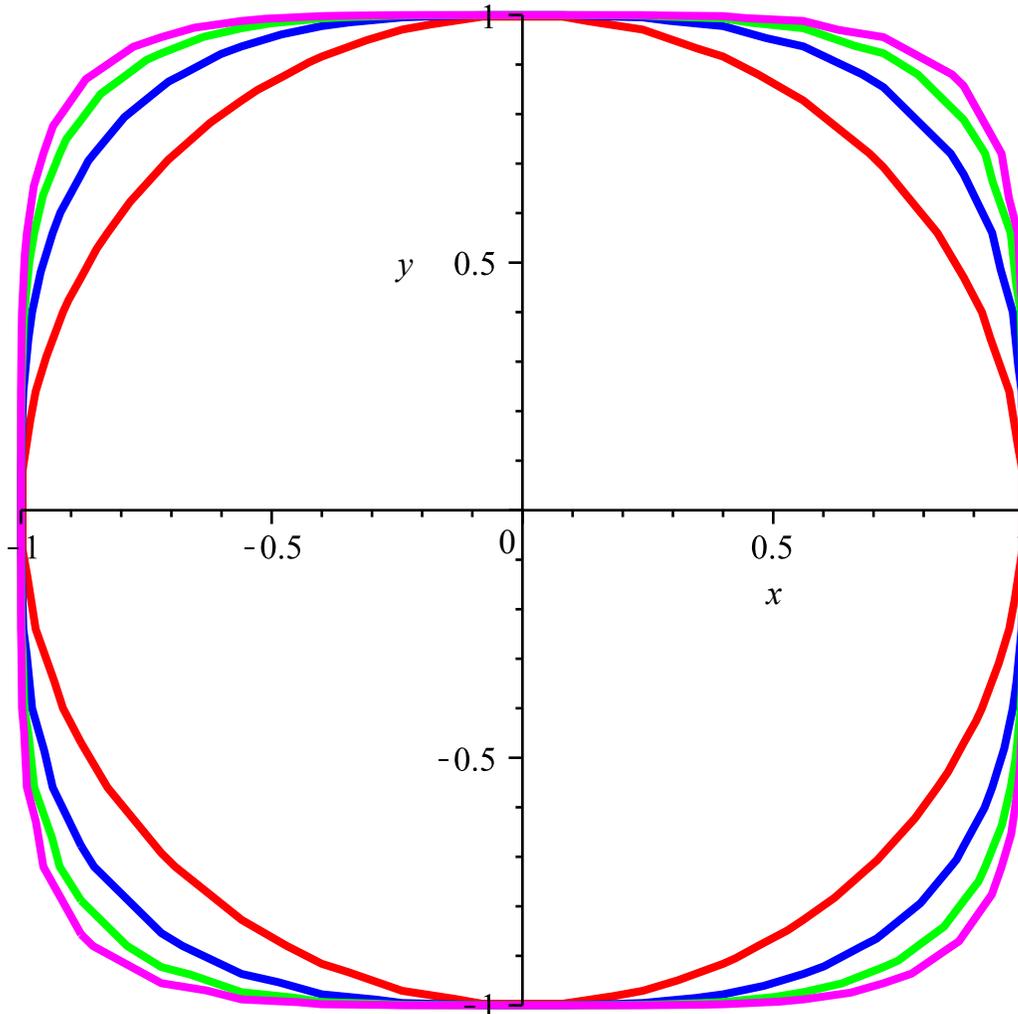
$a := \text{implicitplot}(\sqrt{x^2 + y^2} = 1, x = -2..2, y = -2..2, \text{thickness} = 3, \text{color} = \text{red}) :$

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

$c := \text{implicitplot}(\sqrt[4]{\text{abs}(x)^4 + \text{abs}(y)^4} = 1, x = -2..2, y = -2..2, \text{thickness} = 3, \text{color} = \text{green}) :$

$d := \text{implicitplot}(\sqrt[5]{\text{abs}(x)^5 + \text{abs}(y)^5} = 1, x = -2..2, y = -2..2, \text{thickness} = 3, \text{color} = \text{magenta}) :$

display(a, b, c, d)



with(plots) :

$e := \text{implicitplot3d}(\sqrt{x^2 + y^2 + z^2} = 1, x = 0..2, y = -2..2, z = -2..2, \text{transparency} = 0.1, \text{style} = \text{wireframe}, \text{numpoints} = 5000, \text{thickness} = 3, \text{color} = \text{red}) :$

$f := \text{implicitplot3d}(\sqrt[3]{\text{abs}(x)^3 + \text{abs}(y)^3 + \text{abs}(z)^3} = 1, x = 0..2, y = -2..2, z = -2..2, \text{transparency} = 0.1, \text{style} = \text{wireframe}, \text{numpoints} = 5000, \text{thickness} = 3, \text{color} = \text{blue}) :$

$g := \text{implicitplot3d}(\sqrt[4]{\text{abs}(x)^4 + \text{abs}(y)^4 + \text{abs}(z)^4} = 1, x = 0..2, y = -2..2, z = -2..2, \text{transparency} = 0.1, \text{style} = \text{wireframe}, \text{numpoints} = 5000, \text{thickness} = 3, \text{color} = \text{green}) :$

$h := \text{implicitplot3d}(\sqrt[5]{\text{abs}(x)^5 + \text{abs}(y)^5 + \text{abs}(z)^5} = 1, x = 0..2, y = -2..2, z = -2..2, \text{transparency} = 0.1, \text{style} = \text{wireframe}, \text{numpoints} = 5000, \text{thickness} = 3, \text{color} = \text{magenta}) :$

display(e, f, g, h)

