

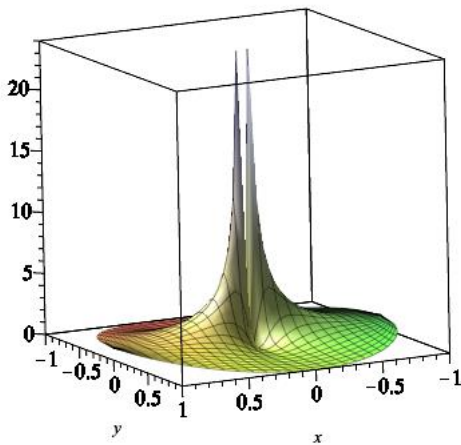
MATH 223 Spring 2025
Assignment 25
Due: Wednesday, April 23

Reading

Read carefully Section 6.6.1 “Probability” in our text *Multivariable Calculus: A Linear Algebra Based Approach*.

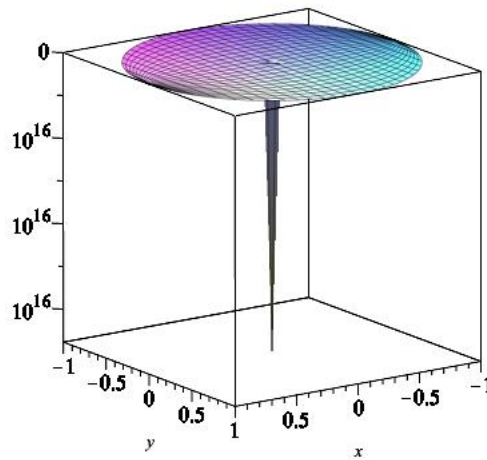
Writing

Write out careful and complete solutions of Exercises 28abcd, 30, 31, 32 and 33 of Chapter 6.



Problem 31a

Plot of $f(x, y) = \frac{x^2}{(x^2 + y^2)^{3/2}}$



Problem 31b

Plot of $f(x, y) = \frac{\ln(x^2 + y^2)}{\sqrt{x^2 + y^2}}$