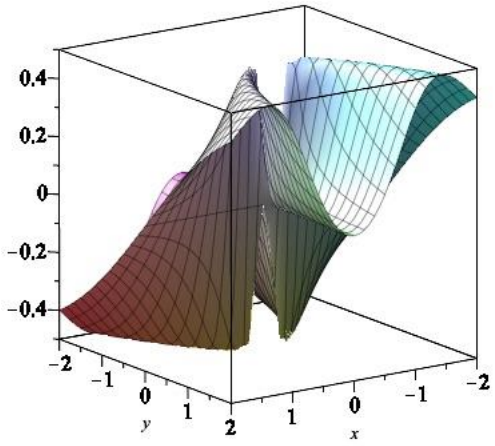
MATH 223 Fall 2025
Assignment 10
Due: Friday, March 7

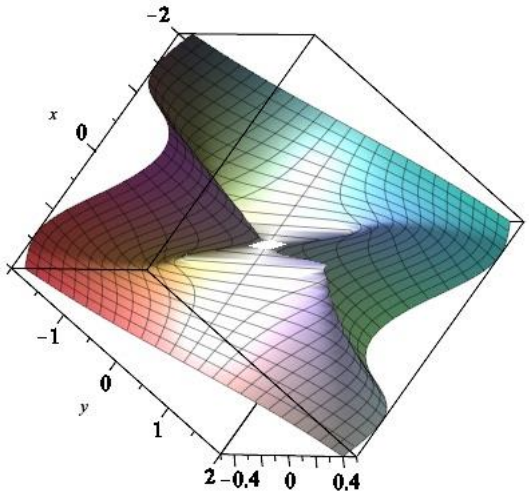
Reading

Read carefully Sections 4.2 "Differentiability" in our text *Multivariable Calculus: A Linear Algebra Based Approach.*

Writing

Write out careful and complete solutions of Exercises 3, 7, 10, 15 and 16 in Chapter 4.





Two views of the graph of $f(x,y) = \begin{cases} \frac{x^2y}{x^4+y^2} & (x,y) \neq (0,0) \\ 0 & (x,y) = (0,0) \end{cases}$