MATH 223   Spring 2025
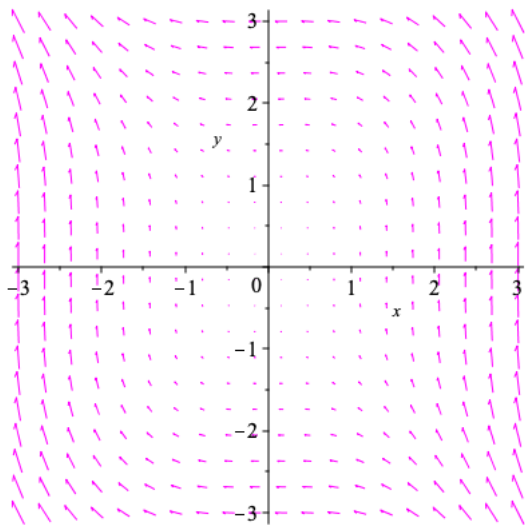Assignment 27
Due: Wednesday, April 30

Reading

Read carefully Section 7.3 "Arc Length and Weighted Curves" in our text *Multivariable Calculus: A Linear Algebra Based Approach.*
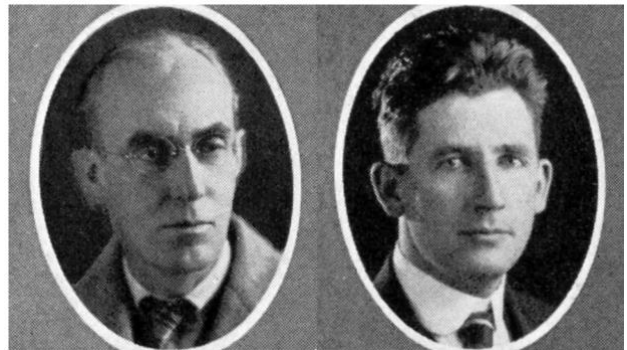
Writing

Write out careful and complete solutions of Exercises 9ac, 10df, 11, 13, and 16 of Chapter 7.

Problem 16a
Plot of Vector Field $F(x, y) = (-y^2, 2x^2)$
Maple Command: fieldplot([-y², 2x²],
x = -3 .. 3, y = -3 .. 3, color = magenta

Charles W. Cobb and Paul H. Douglas