

Assignment 3 in Differential Geometry of curves and surfaces (Math 439)

due Sep 17, 2012

Best 5 exercises out of 6 below will be counted

Problem 1 Use the formula from exercise 12 c, section 1.5. p. to find the torsion $\tau(t)$ of the curve $\alpha(t) = (e^t, e^{-t}, \sqrt{2}t)$.

Section 1.5, pp. 24-26: Exercises 10, 15, 17;

Section 1.6 pp. 29, 30: Exercise 1, 3.