Nonlinear Analysis and Control of the Lorenz Attractor

Thomas Kost

January 21, 2022

Contents

1	Introduction	1
2	Background	1
3	Uniqueness of Solutions	1
4	Continutiy of Solutions	1
A	MATLAB Code	1

1 Introduction

In this document we will be discussing the nonlinear dynamical system known at the Lorenz Attractor. We will be both providing analysis about the system's dynamics as well as applying nonlinear control techniques to the system.

- 2 Uniqueness of Solutions
- 3 Continutiy of Solutions
- A MATLAB Code