BEEHIVE SURVEILLANCE AND MONITORING USING EMBEDDED SYSTEMS

A Thesis

Presented to

the Graduate School of

Appalachian State University

In Partial Fulfilment

of the Requirements for the Degree

Master of Sciences

by

Edward Scott Shuffler JR

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BEEHIVE SURVEILLANCE AND MONITORING USING EMBEDDED SYSTEMS

Department of Computer Sciences

Appalachian State University

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Masters in Computer Science

Edward Scott Shuffler JR

A B S T R A C T

This is the body of the abstract. It should be exactly one paragraph long, and it should be double spaced.

This abstract is approved as to form and content

Chairperson, Advisory Committee
Appalachian State University

TITLE OF THESIS

by

John Smith

A Thesis
Submitted to the Graduate School
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Chapter 1

Hey

1.1 Bruh

This thesis is an exposition of two topics in the theory of algebraic plane curves, the theory of intersection multiplicities and the famous Theorem of Bezout. In addition, we also look at the special case of curves of degree three (the *cubic* curves) and explore some interesting properties of cubics.

Our main references are [ST92], [Bix98], [Ful89], and [Gib98]. Other good books on algebraic curves are [Kir92] and [Wal62].

1.2 A few Lemmas

We begin with a table of the first few prime numbers. This illustrates how to do tables. We use the following commands

```
\begin{table}
\begin{center}\fbox{Such a table should appear here}\end{center}
\caption{The first 100 prime numbers}
\end{table}
```

Such a table should appear here

Table 1.1: The first 100 prime numbers

1.3 Some more stuff

Chapter 2

I Can Write A Chapter Here?

2.1 The Main Result

In this section, we show a picture of an elliptic curve, thus illustrating how to do figures.

```
\begin{figure}
\includegraphics{elliptic}
\caption{An elliptic curve}
\end{figure}
```

2.2 Generalizations

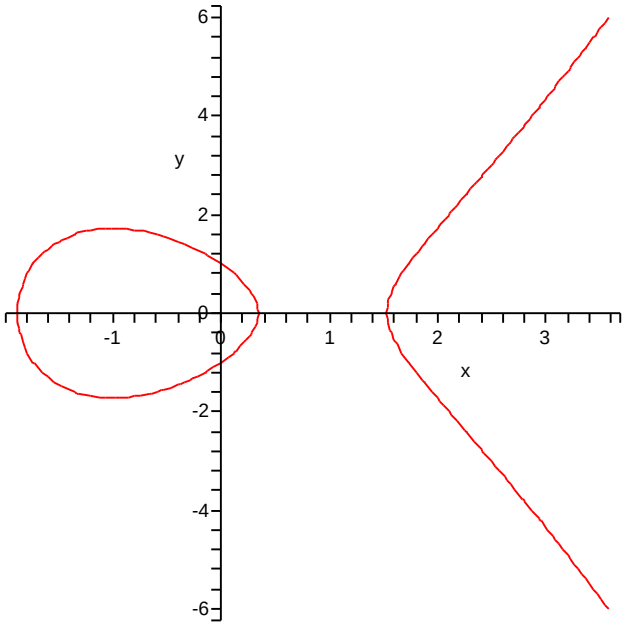

Figure 2.1: An elliptic cubic

Bibliography

[Bix98] Robert Bix. *Conics and cubics*. Springer-Verlag, New York, 1998. A concrete introduction to algebraic curves.

[Ful89] William Fulton. *Algebraic curves*. Addison-Wesley Publishing Company Advanced Book Program, Redwood City, CA, 1989. An introduction to algebraic geometry, Notes written with the collaboration of Richard Weiss, Reprint of 1969 original.

[Gib98] C. G. Gibson. *Elementary geometry of algebraic curves: an undergraduate introduction*. Cambridge University Press, Cambridge, 1998.

[Kir92] Frances Kirwan. *Complex algebraic curves*. Cambridge University Press, Cambridge, 1992.

[ST92] Joseph H. Silverman and John Tate. *Rational points on elliptic curves*. Springer-Verlag, New York, 1992.

[Wal62] Robert J. Walker. *Algebraic curves*. Dover Publications Inc., New York, 1962.

Appendix A

Some technical lemmas

Here are some technical lemmas that are put into this appendix so as not to disturb the flow of the exposition.

Notice that the `\appendix` command just causes the output of the `\chapter` command to appear as "Appendix A" instead of, say, "Chapter 7".