



Bachelor's Thesis
Your Study Track

Your Title Here

First Name Last Name

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“Bachelor’s degrees make pretty good placemats if you get them laminated.”

—Jeph Jacques

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1. Introduction

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Finnish	Swedish	English
ominaisarvo	egenvärde	eigenvalue
ominaisvektori	egenvektor	eigenvector
ominaisavaruus	egenrum	eigenspace

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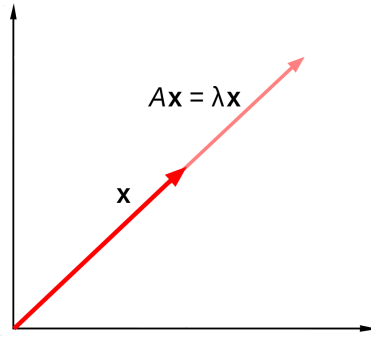


Figure 1.1: This is a caption of the figure [2].

Figure 1.1 shows my awesome figure.

$$A = \begin{bmatrix} 3 & 1 \\ 1 & 3 \end{bmatrix}. \quad (1.1)$$

This is given by Equation 1.1. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Fusce vel sem et nisl consectetur porta vitae eget diam. Donec consequat magna vitae nisi tristique dictum id non ipsum. Mauris non mi porta dolor ullamcorper tincidunt. Ut volutpat est nec mi aliquet auctor eleifend nisl ornare. Donec dapibus nunc at purus fermentum pretium laoreet justo fringilla.

Theorem 1.2. *The fundamental theorem of algebra states that every non-constant single-variable polynomial with complex coefficients has at least one complex root. This includes polynomials with real coefficients, since every real number is a complex number with its imaginary part equal to zero.*

Lemma 1.3. (Abhyankar’s lemma) *If A, B, C are local fields such that A and B are finite extensions of C , with ramification indices a and b , and B is tamely ramified over C and b divides a , then the compositum AB is an unramified extension of A .*

Definition 1.4. Constant – a value or number that never changes in an equation – it’s constantly the same.

References

- 1 Andy Author. Title. *Math Journal*, 111(3):443–551, 1995.
- 2 M. Mathematician. *The Book*. Publisher Company, 2020.