

Essential Mathematical Methods for Engineers

Introduction

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Foreword

- what this course *is* intended to do
- what this course is *not* intended to do
- who *should* be following this course
- who should *not* be following this course

Topics

1. Signal representation and system response
Time domain description and convolution
2. Transfer function and system characterization
3. Sampled data systems and the z-transform
4. The discrete Fourier transform
5. Probability and random variables
6. Linear algebra 1
7. Linear algebra 2

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Other information

- course website:
 - Moodle
- assessment
 - 100% exam (2 hours), open book
- known errors corrected like this

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Reference texts

