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
3. Transfer function and system characterization
4. Sampled data systems and the z-transform
5. The discrete Fourier transform
6. Probability and random variables
7. Linear algebra 1
8. Linear algebra 2

Other information

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

Reference texts