

Lecture Notes - Differential Equations by Professor Macauley

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May 7, 2021

Introduction

This document is a summary of concepts I have learned from Professor Macauley's Differential Equations Course.

His course is separated into the following chapter:

1. Introduction to ODE
2. First Order Differential Equations
3. Second Order Differential Equations
4. Systems of Differential Equations
5. Laplace Transforms
6. Fourier Series and Boundary Value Problems
7. Partial Differential Equations

1 Semaine 1

1.1 Théorie 1

- 1.1. What is a Differential Equations
- 1.2. Plotting Solutions to Differential Equations
- 1.3. Euler's Method

1.2 Théorie 2

1.3 TP

2 Semaine 2

2.1 Théorie 1

2.2 Théorie 2

2.3 TP

3 Semaine 3

3.1 Théorie 1

3.2 Théorie 2

3.3 TP

4 Semaine 4

4.1 Théorie 1

4.2 Théorie 2

4.3 TP

5 Semaine 5

5.1 Théorie 1

5.2 Théorie 2

5.3 TP

6 Semaine 6

6.1 Théorie 1

6.2 Théorie 2

6.3 TP

7 Semaine 7

7.1 Théorie 1

7.2 Théorie 2

7.3 TP

8 Semaine 8

8.1 Théorie 1

8.2 Théorie 2

8.3 TP

9 Semaine 9

9.1 Théorie 1

9.2 Théorie 2

9.3 TP

10 Semaine 10

10.1 Théorie 1

10.2 Théorie 2

10.3 TP

11 Semaine 11

11.1 Théorie 1

11.2 Théorie 2

11.3 TP

12 Semaine 12

12.1 Théorie 1

12.2 Théorie 2

12.3 TP

13 Semaine 13

13.1 Théorie 1

13.2 Théorie 2

13.3 TP

14 Semaine 14

14.1 Théorie 1

14.2 Théorie 2

14.3 TP

15 Semaine 15

15.1 Théorie 1

15.2 Théorie 2

15.3 TP

16 Semaine 16

16.1 Théorie 1

16.2 Théorie 2

16.3 TP