MATH1023/MATH1062 Calculas

Usyd Mingyuan Ba

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1 Week1

1.1 Differential Equation

- 1. **Definition**: A differential equation (DE) is a mathmatical equation that relates some function with its derivatives
- 2. **Definition**: The order of a differential equation equals to a highest derivative occurring in it
- 3. **Definition**: The standard form of a first-order differential equation is

$$\frac{dy}{dx} = f(x, y)$$