Course Name

Notes by A. U. Thor

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1 First lecture

1.1 Main idea

Write the one-sentence version of the lecture here before the details.

Definition (Derivative). The derivative of f at x is

$$f'(x) = \lim_{h \to 0} \frac{f(x+h) - f(x)}{h}.$$

Example. For $f(x) = x^2$ the limit gives $f'(x) = 2x$.

1.2 Open questions

- Things to ask in the next class.