

L^AT_EX EXERCISE 2, 18.100C

Exercise 1. Create a simple `beamer` presentation consisting of roughly 3 slides on one of the following three topics.

- (1) The fundamental theorem of calculus and the main idea of its proof.
- (2) When can you interchange the order of infinite summation of functions and differentiation?
- (3) How to define/compute the length of a curve.

The first slide should include a title of your choosing and all the usual author/institution/date information. One slide should consist of a heading and a graphic made in `ipe`¹ illustrating the topic of your choice. Your graphic **must** include L^AT_EX'd labels. It is not a good idea to leave this problem to the last minute because making pictures with labels for instance is not trivial as L^AT_EX does not have easy to use graphics packages at the moment.

Date: November 26, 2012.

¹You are also free to use `PSTricks`, `XY-Pic`, or `tikz` if you prefer.

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18.100C Real Analysis
Fall 2012

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