# Fourier Series - Changelog

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## Contents

# 1 Changelog

**2021-09-09**

- Created GitHub repository
- Added Readme
- Read Wikipedia

**2021-09-16**

- Gannt
- Requirements Analysis
- Conceptual library structure

**2021-09-22**

- First Fourier 2D series draft
- Written abstract and scope

When the path is being drawn, sometimes the animation starts to play, as if I stopped drawing for a moment.

**2021-09-23**

- Continued Fourier series test code
- Updated documentation

**2021-09-30**

- Written discrete Fourier transform code
- Pause/Resume button
- Interactive timeline
- Code cleanup
- Imported MathJax

Fixed the drawing bug.

**2021- 07**

- Modularity of the interactive boxes
- Created `Example.js` and `InteractiveBox.js`

The timeline does not work when moved around. Settings the value of the timeline to a value [0;1] doesn't work even if it should.

Abstract functions don't exist in JavaScript. The 'abstract' functions throw an error unless they are overwritten.

**2021-10-14**

- Modularity of the interactive boxes
- Complex plot of a given signal
- Files rearrangement

**2021-10-21**

- MathJax settings
- Implemented JavaScript Hierarchy
- Code Refactor
- Pause/Resume on visibility

The first point was being skipped. The time increment was wrong.
Optimizing complex plot drawing Using actual hierarchy in JavaScript classes. Using a function to detect wheter the canvas is seen by the user, stop/resume the animation depending on this.

**2021-10-28**

- Written website content
- InteractiveBox library cleanup

**2021-11-11**

- Written website content

**2021-11-18**

- Written website content
- Started writing Fourier transform box

The Fourier transform box completly doesn't work.

**2021-11-25**

- Implementing a template for the website
- Formatting the website

**2021-11-27**

- Fit all the already written content into the template
- Written website content
- Imported Desmos dependency

**2021-11-28**

- Written website content
- Changed website colors

### 2021-12-03

- Removed junk files
- Written website content
- Fixed some css

### 2021-12-05

- CSS Styling
- SVG Background

### 2021-12-09

- Interactive Boxes CSS

### 2021-12-16

- Written website content
- CSS styling and colors
- Removed unused css classes
- Began translating documentation into LaTeX

I tried implementing the CSS snap-scroll effect, but it conflicted with the JS-driven scrolling buttons.

### 2021-12-18

- Added LaTeX files to `.gitignore`
- Removed junk files
- Implemented interactive boxes

### 2021-12-19

- Written documentation
- Written website content
- Fixed interactive boxes (JS)
- Fixes interacttive boxes (CSS)

### 2021-12-20

- Translated changelogs to LaTeX
- Written documentation
- Fixed website typos

**2021-12-21**

- Written documentation
- Added image captions
- Fixed typos
- Fixed date formats

**2021-12-22**

- Written documentation
- Bibliography and sitography

**2021-12-23**

- Code documentation