

Fourier Series - Changelog

Paolo Bettelini

Contents

1 Changelog

2

1 Changelog

2021.09.09

- Created GitHub repository
- Added Readme
- Read Wikipedia

2021.09.16

- Gantt
- 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.

2021.10.07

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

The timeline does not work when moved around. Setting 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 over-written.

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 whether 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 completely 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 interactive boxes (CSS)

2021.12.20

- Translated changelogs to LaTeX