

# MathSymphony Challenge

## Challenge Overview

Welcome to the "MathSymphony Challenge." In this challenge, your creative and mathematical skills will be put to the test. Your goal is to watch a provided video that showcases both an animation and a mathematical equation, and then implement this animation using HTML5 Canvas. This challenge will assess your ability to translate mathematical concepts into visually stunning animations.

## Challenge Instructions

Your mission is to create a web page with the following key requirements:

1. **Canvas Animation:** Implement the animation demonstrated in the video using HTML5 Canvas and JavaScript. This will involve translating the mathematical equation into code that produces the animation. The animation should accurately replicate what you see in the reference video.
2. **Styling:** Apply suitable styling to the canvas animation to make it visually appealing.
3. **Video Reference:** You can find the reference video `./Math Symphony.mov`. Use it as a visual guide to create your canvas animation.
4. **Math Equation:** You can find the mathematical equation `./Math Symphony.png`.

## Evaluation Criteria

Your challenge solution will be evaluated based on the following criteria:

- **Accuracy:** The accuracy of your canvas animation in replicating the animation from the reference video based on the mathematical equation.
- **Styling:** The visual presentation and styling of the canvas animation.
- **Code Quality:** The organization, readability, and adherence to best practices in your HTML, CSS, and JavaScript code.
- **Documentation:** The quality and clarity of the provided documentation, making it easy for others to understand the mathematical equation and the animation's components.

**NB:** Don't forget to add the challenge author to your repo and make it private.

Best of luck, and let the Math Symphony begin!