RK4-ODEsolverX

RK4-ODEsolverX is a Java-based project that allows users to solve ordinary differential equations (ODEs) using numerical methods like Runge-Kutta 4th Order (RK4), Euler's method, and the Adams-Moulton method.

Tech Stack

- Java
- Maven
- exp4j library
- (Frontend in progress)

Implemented Numerical Methods

- Euler's Method
- Runge-Kutta 4th Order (RK4)
- Adams-Moulton Method

Features

- Easy usability
- User-friendly design
- Expression-based ODE input

Libraries Used

- exp4j
- Maven for dependency management

Code Snippet Screenshot

Check the Full Project at: https://github.com/ArjiJethin/RK4-ODEsolverX

-Made by Arji Jethin