

Polynom's (task_0 & task_1)

This project computes calculations that can be done to polynoms

Getting Started

There is a Test Junit class that can run test program, of course it can be adjusted if needed.

Built With

- [eclipse](#) - The Platform for Open Innovation and Collaboration

Authors

- **Shilo Gilor** - *Initial work*
- **Amiel Liberman** - *Initial work*

Acknowledgments

- We used youtube to understand better what is Riemann's Integral.
- We used youtube to understand better how to use Junit.
- We also used stack overflow to remember the syntax for java code
- We used the the xchart at site
<https://knowm.org/javadocs/xchart/org/knowm/xchart/XYChart.html>

Description

We have 9 classes: 3 interfaces, 3 regular classes, 1 Junit , 1 Exception and 1 Main.

Functionalities:

Riemann's Integral: https://en.wikipedia.org/wiki/Riemann_integral

Adding/ Subtract/ Multiply Polynom, Derivative, Copy, Equals, isZero, Draw, find extremums, $F(x)$ is the y value,

Root which finds a root of the function, draw extremum and area under the line
Etc.