FractionalCalculus.jl

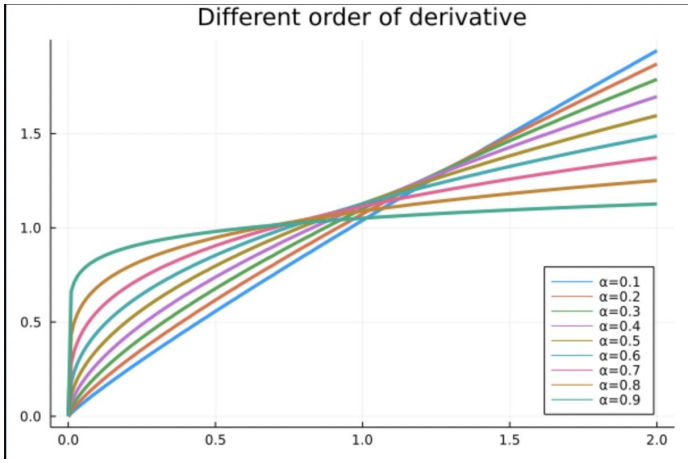
Overview: This package is meant for Julia and the repository is hosted by SciFracX. This Julia package is able to return estimated values of fractional derivatives and integrals at a high precision.

It is easy to use and easy to install by just using the pkg mode in Julia.

```
pkg> add FractionalCalculus
```

Here are some examples of using this package:
Fractional Integral

```
julia> fracint(x->x, 0.5, 1, 0.0001, RLIntApprox())
0.7522525439593482
```



Question: How does the software handle the numerical challenges associated with non-linear and non-local systems? Also why is the CI failing?

Project Proposal: One project idea could be testing the accuracy and stability of this package by using the numerical methods we have learned in class so far.