File overview

February 1, 2014

This is an overview of the project

The root directory

WebGUI.py - The webserver that handles the Web Interface

Sublime Text Files - Integration with Sublime Text (look at instructions)

Doc - Documentation

Tutorial - Tutorial.cpt.pdf helps you get started using CasPyTex

Data

Simplify Methods - Holds the .simplifymethods files

Tests - The .test files

Web Interface - The Website for the Web Interface

CasPyTeXConfig.py - The config - Uses python syntax

debugger.py - A very simple debugging module

Entityclass.py - The core of the CAS - holds the expression classes, as well as the Simplifying function

equationsolver.py - Has the class equation, which is able to solve equations

latexfileclass.py - Has the latexfile class, which can write a .tex and compile it to a .pdf

stringmanipulations.py - Has some (not so) neat functions concerning strings

TextCAS.py - The .cpt interpreter

textparser.py - has the TextToCAS function, which converts strings to expression trees

unittester.py - A script to execute the unit tests

You might want to look at:

- Doc/Expression Class.pdf

- Doc/Simplifying Methods.pdf

- Doc/Tutorial/Tutorial.cpt.pdf