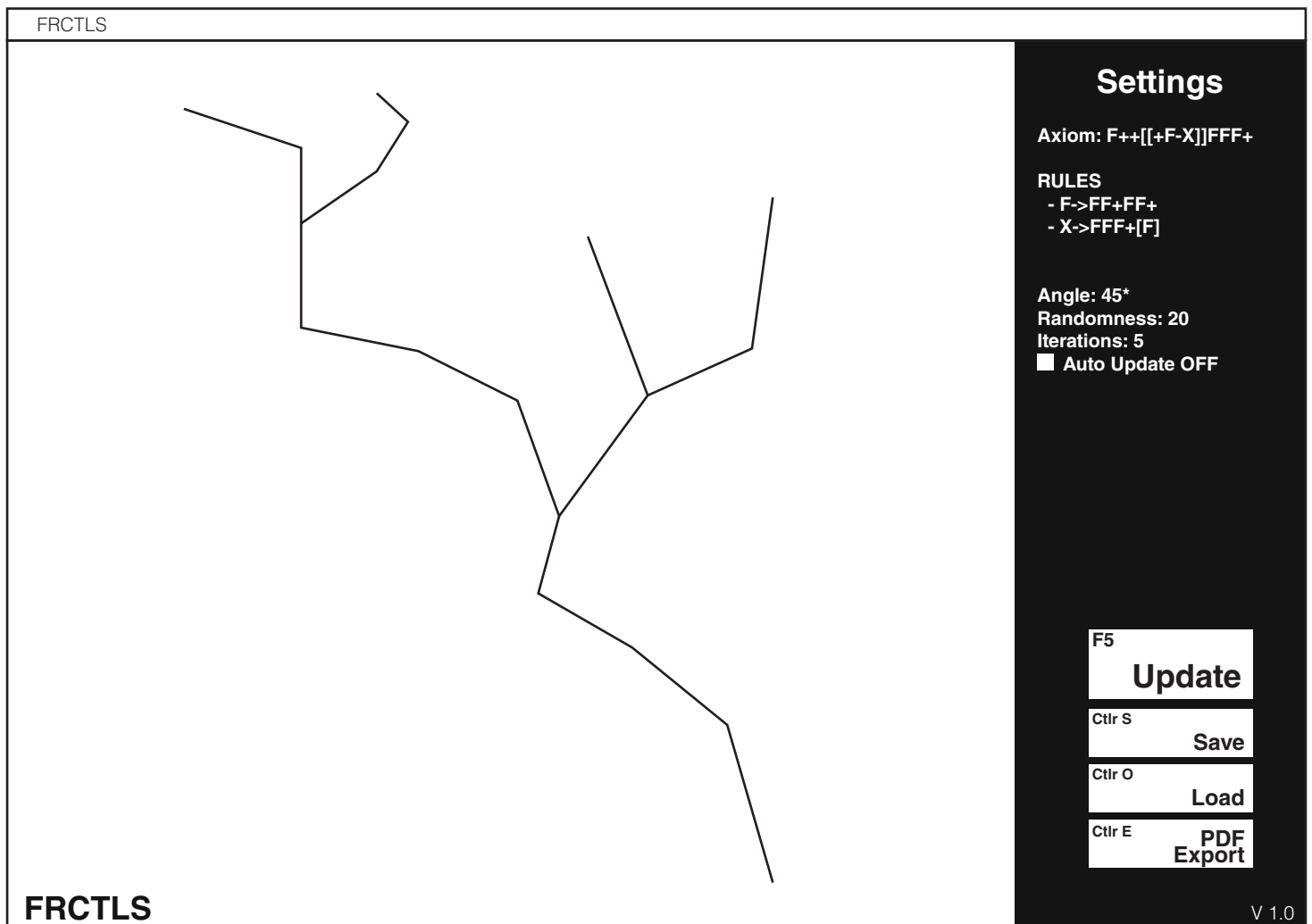


FRCTLS

FRCTLS is a simple and fast 2D fractal generator made with Python and Tkinter. The fractals are generated based on the L-System algorithm. Simply write the rules, set the angle, randomness and iterations, as well as other settings, and let FRCTLS do the rest.



Mandatory features: render 2D fractals based on axioms and rules given by the user. Allow the user to locally save and load his or her own designs. Update the drawing on the fly, as the user change the parameters.

Extras: allow the user to set colors and line width, as well as creating a way for the algorithm itself to set the line widths based on the structure features (this way it is possible to render even realistic trees and more complex designs). Add an export to PDF option, so the artist can use his or her designs in other softwares like Photoshop and Illustrator, without having to rely on low-quality screenshots. Add a cloud based save feature, so the user can store the designs on the cloud, and not only locally. Add interactive rotate, pan and zoom features.