

Tkinter and Pyaudio

These demos combine Tkinter and Pyaudio. The audio is adjusted via Tkinter through buttons and sliders.

In these demos we use `root.update()` instead of `root.mainloop()`. We do not need a Tkinter loop, because there is already a loop for audio.

`play_sine_01.py`

Plays a sine wave by writing one sample at a time. (No Tkinter)

`play_sine_02_blocks.py`

Plays a sine wave by writing the signal in blocks. (No Tkinter)

`Tk_demo_01_update.py`

This program uses `root.update` function in Tkinter instead of `root.mainloop`.

`Tk_demo_02_buttons.py`

Use buttons to adjust the frequency of a sinusoid.

`Tk_demo_03_slider.py`

Use a slider to adjust the frequency of a sinusoid.

`Tk_demo_04_slider.py`

Use two sliders to adjust the frequency and gain of a sinusoid.