Vibrato demos

Chapter 2 of 'Audio Effects: Theory, Implementation and Application'

1) Recall use of circular buffer of non-minimum length.

    echo_via_circular_buffer_long.py

2) Vibrato with no interpolation:

    play_vibrato_simple.py

    Effect of W. Effect of f0.

3) Vibrato with interpolation:

    play_vibrato_interpolation.py

Notes:

Make sure delay is
  1) CAUSAL
  2) SHORTER THAN BUFFER LENGTH
otherwise output signal will have audible artifacts.

demo cosine (with fixed frequency) into vibrato effect
    -> hear time-varying frequency

To discuss:
  Instantaneous frequency.