2/15/15

MATCHING DURATIONS

Getting 2 sounds to have the same length

ICM Week 6

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Matching Durations

- Most common error in Nyquist: Combining sounds and controls with different durations.

- Example of common error:
```
play
  pwl(0.5, 1, 10, 1, 13) * ; 13-seconds duration
  osc(c4) ; nominally 1-second duration
; result sound stops at 1 second(!)
```

- Remember that Nyquist sounds are immutable. Nyquist will not adjust behaviors to get the "right" durations – how would it know?

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Specifying Durations

- Make everything have nominal length of 1 and use STRETCH:

`(pwl(0.1, 1, 0.8, 1, 1) * osc(c4)) ~ 13`

- Provide duration parameters everywhere:

`pwl(0.5, 1, 10, 1, 13) * osc(c4, 13)`

- If you provide duration parameters everywhere, you will often end up passing duration as a parameter – that's not always a bad thing.

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