MTE 1001

Fundamentals of Sound Synthesis

Readings:

Previously: "Fixed Time Delay Effects", Chapter 10, pp. 432-440 (Readings 10c)

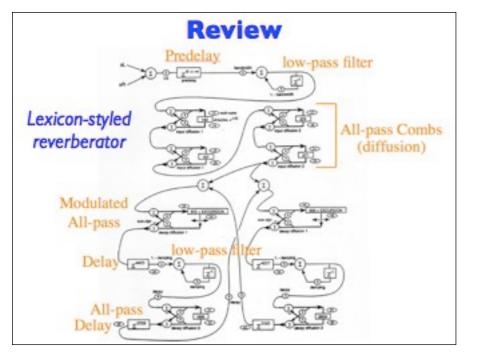
New: None

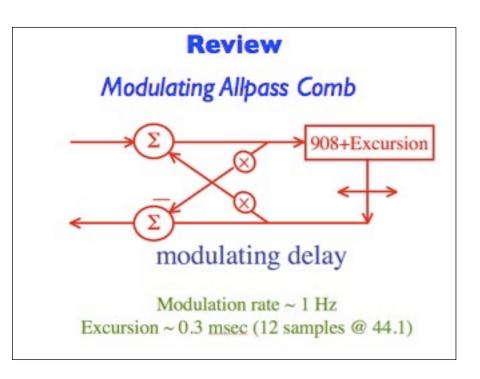
Review

David Griesinger Lexicon



First to implement modulating delays as part of a reverberator.





Digital Delays

The availability of bigger and cheaper memory chips opened up the market for a wide range of effects processors based on digital delays!

Digital Delays

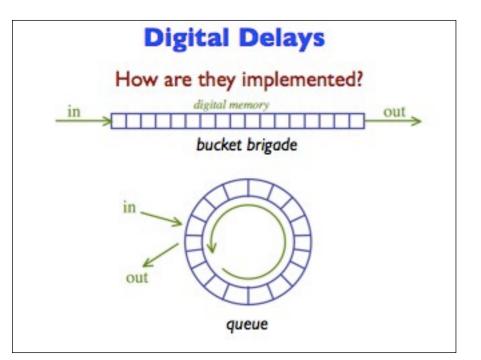
Delay Effects (when added to the original signal)

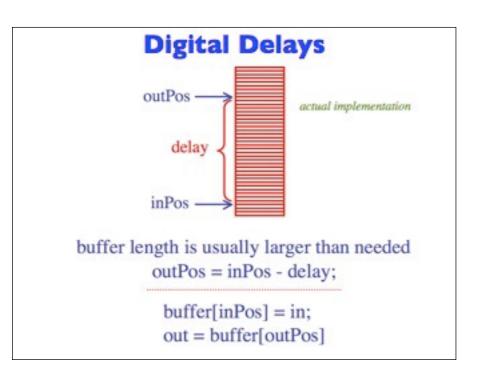
```
delay < 10 ms comb filter, timbre effects

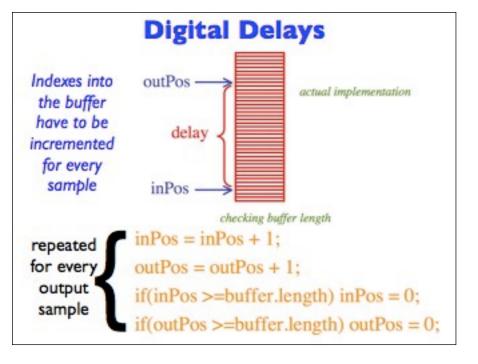
10 ms < delay < 50 ms double tracking, chorusing

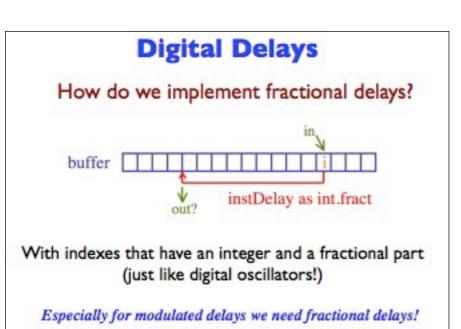
50 ms < delay echos
```

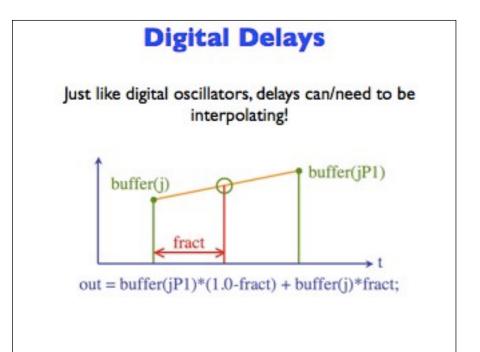
10 ms = 100 Hz 50 ms = 20 Hz

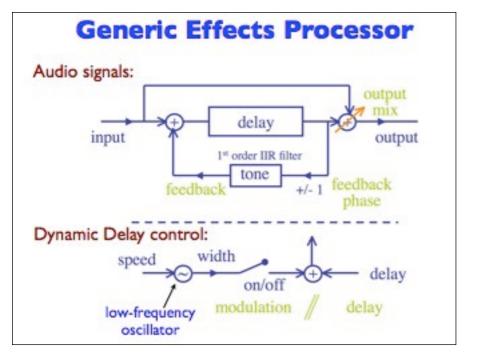


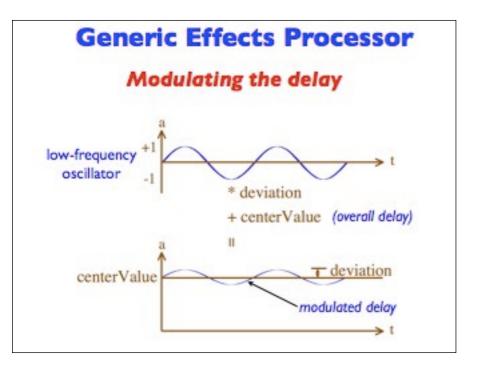


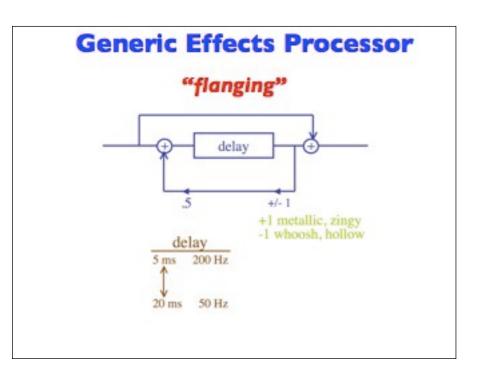


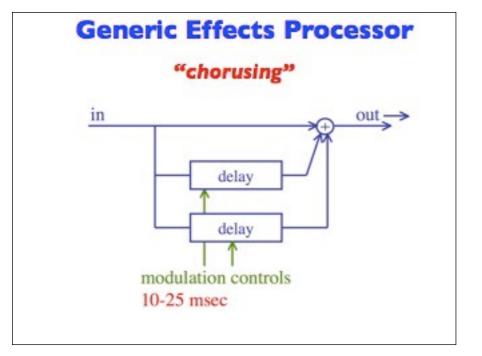












Next:

Notebook #3

Due: Monday, May 23

Starts with Granular Synthesis & Soundscape Composition (Synthesis Lecture 16)