```
d1 $ sound "bd*32" # gain sine
-- Or randomised panning:
d1 $ sound "bd*4" # pan rand
-- '#' takes structure from the left
-- Two sounds:
d1 $ sound "drum kurt" # n "0 1 2"
d1 $ sound "drum kurt" # n "0 1 2"
d1 $ n "0 1 2" # sound "drum kurt"
-- Three sounds
d1 $ n "0 1 2" # sound "drum kurt"
d1 $ n "0 1 2" # sound "drum kurt"
-- Three sounds
d1 $ n "0 5*2 7" # s "supermandolin"
# s "supermandolin"
+ n "<0 3 5>"
+ n "<0 3 5>"
+ n "<0 3 5>"
```

```
-- sample number
d1 $ n "[0 1 [~ 0] 1,2*4 2*8]"

# s "drum"
-- vowel filter
d1 $ vowel "3 0 e*2 i" # sound
"drum"
-- Combine multiple controls
d1 $ note "1 [2 7] 4 5"
# legato 1 # crush "3 2"
```

ctri-enter to run multiline patterns

set or synth. There is much more to

sonuq (or Just s) patterns sample

Pattern all the things

pattern!

```
-- speed up a step with *

-- slow down with \
-- slow down with \
-- pick one per cycle
d1 $ s "bd <arpy arpy:1 arpy:2>"

-- repeat with !
d1 $ s "bd <arpy arpy:1 arpy:2>"

-- drop out randomly
d1 $ s "bd sd? mt? lt"

-- Distribute 3 events over 8 steps
d1 $ s "bd(3,8)"

-- Euclidian rhythms', same as:
d1 $ s "bd ~ bd ~ bd ~ "
d1 $ s "bd ~ bd ~ bd ~ "
```

```
Mini-notation (in double quotes)
-- Four sounds in a cycle:
-- Six sound in a cycle:
-- Silence/rest with '~'
-- Sub-sequence with []
-- Sub-sequence with []
-- Sub-sequence with []
d1 $ s "bd ~ [bd sd mt] mt"-
d1 $ s "bd ~ [bd sd mt] mt"-
-- More than one at the same time:
d1 $ s "[ht mt lt, arpy kurt]"
-- Curlies for stepwise polyrhythm:
d1 $ s "[sd mt, arpy arpy:1] arpy:2}"
```

## **Functions** for manipulating time, sound and space

-- reverse

-- Howabout a sine wave on gain:

```
d1 $ rev $ n "0 1 2 3" # s "arpy"
-- successively shift time
d1 $ iter 4 $ n "0 1 2 3" # s "arpy"
-- make faster
d1 $ fast 4 $ n "0 1 2 3" # s "arpy"
-- make faster and pitch up
d1 $ hurry 4 $ n "0 1 2" # s "arpy"
-- lets pattern that
```

```
-- chop up samples, reverse the bits
d1 $ rev $ chop 8 $ n "0 [2 1] 4 3"
    # s "cp speakspell"
```

d1 \$ fast "2 3" \$ n "0 1 2 3"

# s "arpy"

# **Higher order functions**Passing functions to functions

```
d1 $ jux rev $ chop 8 $
    n "0 [2 1] 4*2 3" # s "speakspell"

-- apply function every 'n' cycles
d1 $ every 3 (fast 2) $
    n "0 2 [~ 1] 5" # s "speakspell"

-- apply offset, on top of original
d1 $ off 0.125 (+ note 7) $
    note "0 3 7 12" # s "gtr"

-- join functions together with .
d1 $ every 2 (rev . chop 8) $
```

-- apply function in one speaker/ear

see tidalcycles.org for many more
functions!

s "bd sd"

## Operator re-cap:

# join two control patterns (taking triggers from the left)

\$ resolve what's on the right, and give it as a value to the function on the left. These are the same:
d1 \$ rev \$ s "bd sn"

d1 \$ rev \$ s "bd sn" d1 \$ rev (s "bd sn")

### Links

Home: tidalcycles.org Chat channels: chat.toplap.org Forum: forum.toplap.org

#### See also

- \* toplap.org
- \* algorave.com
- \* iclc.livecodenetwork.org



Little book of patterns