

TIDAL CHEAT SHEET*						
MINI-NOTATION & ESTUARY INTERFACE		EFFECTS FUNCTIONS		ALTERATION		
FUNCTIONALITY	EXAMPLE	FUNCTION	EXAMPLE	FUNCTION	EXAMPLE	
Make sound	s "bd"	shape	#shape "0.25"	range	#cutoff (range 200 2000 \$ fast 12 \$ sine)	
Compile code	Shift + Enter	cutoff	#cutoff "2000"			
Stop code	--/delete code	resonance	#resonance "1"	degrade	degrade \$ s "bass"	
Different sample	s "bd:1"	hcutoff	#hcutoff "2000"	degradeBy		degradeBy 0.5
Speed up	s "bd*4"	hresonance	#hresonance "1"	ply		ply 3 \$ s "bass"
Slow down	s "bd/4"	vowel	#vowel "a e i o u"	stut	stut 4 1 (1/16) \$ s "bass3"	
Patterns	s "bd sd"	CONCATENATION		stripe		stripe 3 \$ s "bass"
Sub-patterns	s "[bd hh] sd"	FUNCTION	EXAMPLE	palindrome		palindrome \$ s "bd"
Shorthand Sub-patterns	s "bd hh . sd"	cat	cat [s "bd", s "bass"]	trunc		trunc 0.75 \$ s "bd"
Rest/silence (tilde)	s "[bd ~] sd"	fastcat	fastcat [s "bd", s "bass"]	linger		linger 0.25 \$ s "bd"
Repeat pattern	s "[bd ~]! sd"	randcat	randcat [s "bd", s "bass"]	TIME		
Random silence	s "[bd ~]? sd"	brak	brak \$ s "bd"	FUNCTION	EXAMPLE	
Layering patterns	s "[bd, hh sd hh]"	run	n (run 8) # s "bass"	fast	fast 2 \$ s "bd"	
Alternate patterns	s "bd <sd hh cp>"	append	tidalcycles.org	slow	slow 4 \$ s "bd"	
Polymetric sequences	s "{bd, sd hh}"	wedge	tidalcycles.org	off	tidalcycles.org	
Polymetric sub-division	s "{bd, sd hh}%4"	ACCUMULATION		rev		rev \$ s "bd"
Euclidean sequences	s "bd(5,8)"	FUNCTION	EXAMPLE	jux (rev)	jux (rev) \$ s "bd"	
See the following link for more information: http://tidalcycles.org/docs/reference/mini_notation		stack	stack [s "bd", s "~ sn"]	juxBy	juxBy 0.75 (rev) \$	
		superimpose	superimpose (fast 2) \$	swing	swing	
		layer	layer [rev, fast 2] \$	ghost	ghost \$ s "~ sn"	
		iter	iter 4 \$ s "bd hh sn cp"	echo	echo 4 0.2 0.5 \$ s "bd sn"	
CONTROLS: EVERYTHING IS PATTERNABLE!		iter'	iter' 4 \$ s "bd hh sn cp"	hurry		hurry 2 \$ s "bd"
FUNCTION	EXAMPLE	CONTINUOUS PATTERNS/OSCILLATORS		SAMPLERS		
n	s "bass" +n "1 2 3 4"	FUNCTION	EXAMPLE	FUNCTION	EXAMPLE	
	n "1 2 3 4" #s "bass"	sine	square	speed	s "bass3" #speed "1 -2"	
note	s "bass" +note "1 2 3 4"			begin	s "bass" #begin "0.25"	
	note "1 2 3 4" \$ s "bass"	cosine	#pan sine/ #gain (slow 4 sine)	end	s "bass" #end "0.75"	
gain	s "bass" #gain 1	saw		chop	chop 16 \$ s "bass"	
pan	s "bass" #pan "0 1"	isaw		loopAt	loopAt 8 \$ s "bass"	
*Based on the MiniTidal Language as used on Estuary (https://estuary.mcmaster.ca/)		tri	irand	striate	striate 3 \$ s "bass"	

TIDAL CHEAT SHEET*											
RANDOMNESS & CONDITIONS				HARMONY & MELODY				AUDIO SAMPLES: CUSTOM			
FUNCTION		EXAMPLE		FUNCTION		EXAMPLE					
perlin	s "bass*8" # speed (perlin + 0.5)			scale	n (scale "ritusen" "0 .. 7") #s						
always (100%)		sometimes (# crush 2) \$ s "bass" #pan sine		scaleList	minPent, majPent, ritusen, egyptian, kumai, iwato, chinese, indian, pelog, prometheus, scriabin						
almostAlways (90%)											
often (75%)											
sometimes (50%)				chordList	maj, aug, plus, six, six9, min, min7, min7f5, 7sus4, dim7, dom7						
rarely (25%)											
almostNever (10%)											
never (0%)											
choose	s "drum" # n (choose [0,2,3])										
every	every 3 (rev) \$ n "0 1 [~ 2] 3" # s "arpy"			chords	s "bass" +n "e'maj'7"						
every'	every' 3 0 (fast 2)			arp	n (arp "<up down diverge>" "<a'm9'8 e'7sus4'8>") # s "bass"						
foldEvery	foldEvery [5,3] (+ n 1)										
struct	struct ("t ~ t*2 ~") \$ s "cp"										
mask	mask "t t t ~ t t ~ t"			chord tones		c'min9'8					
AUDIO SAMPLES: DIRT SAMPLES				open voicing		c'min9'8'o					
arp	bass	feelfx	less	drop N voicing		c'min9'd3					
notes	bass0	future	lighter	inversions		c'min9'i2					
arpy	bass1	flick	moog	AUDIO SAMPLES: DIRT SAMPLES							
bd	bass2	fm	lt	https://github.com/tidalcycles/Dirt-Samples							
sn	bass3	gab	mt	sf	tok						
hh	bin	foo	ht	space	toys						
hh27	birds	gtr	pad	speech	v						
d	bottle	h	padlong	numbers	wind						
db	bend	hand	pebbles	stab	xmas						
dist	bubble	hit	print	stomp	yeah						
dr	casio	hmm	psr	sugar							
e	click	jungbass	perc	tabla							
electro1	clak	jvbass	sax	tabla2							
east	coins	juno	short	ul							
feel	control	kurt	sitar	ulgab							