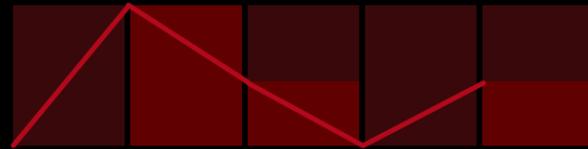


QUEUESCAPE

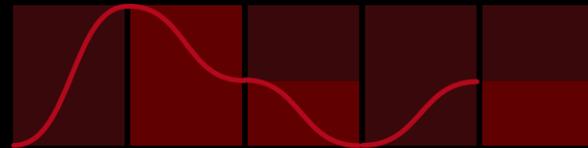
TRANSITION SHAPES

HERE'S THE LIST OF AVAILABLE TRANSITION SHAPES WITH GRAPHICAL PRESENTATION OF HOW THE PARAMETERS ARE BEING MODULATED ON EXAMPLE PROGRAM.

LINEAR



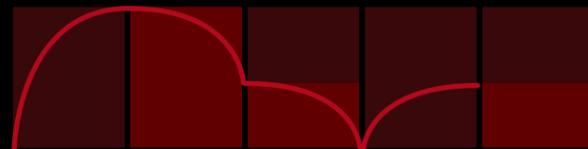
SINUSOIDAL



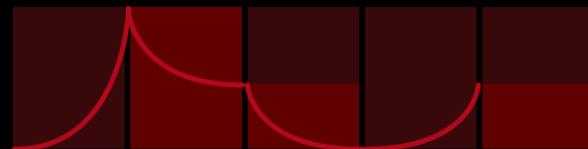
SQUARE



PARABOLIC



INVERSE PARABOLIC



LINEAR X2 + HOLD



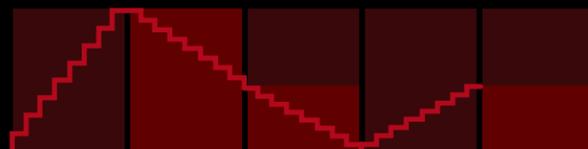
LINEAR X8 + HOLD



LINEAR X16 + HOLD



8 STEP LADDER



NOTE THAT NOT ALL PARAMETERS WORK IN LINEAR WAY. FOR EXAMPLE FOR VOLUME, PARABOLIC TRANSITION WILL SOUND MORE LIKE LINEAR BY EAR.

LINEAR X16 MODE SOUNDS ALMOST SQUARE AT FAST SPEEDS.

8 STEP LADDER IS APPROXIMATION OF EFFECT YOU WOULD GET BY SETTING THE ENGINE FREQUENCY LOW.

TRANSITION, PRECISION AND SPEED

THE TRANSITION IS BEING MADE IN A SERIES OF SMALL STEPS IN BETWEEN SEQUENCE STEPS, ACCORDING TO ENGINE FREQUENCY AND RATE. ENGINE FREQUENCY DEFINES, HOW OFTEN THE SMALL STEPS ARE BEING MADE AND RATE DEFINES, HOW MANY SMALL STEPS IT TAKES TO REACH THE NEXT SEQUENCE STEP. BECAUSE THE CHANGES IN BETWEEN STEPS ARE BEING STEP SEQUENCED TOO, AT LOW ENGINE FREQUENCIES YOU WILL NOTICE THE STEPS. IT'S LIKE HAVING ONE OF THE KIND ALIASING LFO.

TO MAKE IT MORE COMPLICATED EACH OSCILLATOR CAN BE SET TO A DIFFERENT SPEED. OSCILLATOR SEQUENCE SPEED IS DERIVED FROM ENGINE RATE. FASTEST SETTING IS /1, AT THIS SETTING, OSCILLATOR SEQUENCE STEP FREQUENCY IS EQUAL TO ENGINE RATE. AT NEXT SETTING, /2, THE OSCILLATOR SEQUENCES ARE RUNNING AT HALF SPEED, IT TAKES TWICE THE TIME TO REACH THE NEXT STEP AND SO ON. THE SLOWEST SETTING IS /16, WHERE IT TAKES 16 TIMES MORE TO MAKE A STEP. SO /16 OSCILLATOR WILL MAKE ONE ONLY STEP WHILE /1 OSCILLATOR WILL MAKE THE WHOLE 16 STEP LOOP. SPEED SETTINGS ARE AFFECTED BY GLOBAL SWITCH, WHEN IT'S ON YOU WILL SET THE SAME SPEED MODIFIER TO ALL OSCILLATORS.

USING CUSTOM SAMPLES

QUEUESCAPE OSCILLATORS ARE BASED ON SINGLE CYCLE WAVEFORMS, BUT IN FACT YOU CAN USE ANY GROUP OF SAMPLES AS AN OSCILLATOR. IT CAN BE DONE WITH JUST FEW MOUSE CLICKS.

SUPPOSE YOU'D LIKE TO USE KONTAKT FACTORY UPRIGHT PIANO AS OSCILLATOR 1. OPEN UPRIGHT PIANO PATCH, CLICK ON WRENCH, ACTIVATE GROUP EDITOR AND MAPPING EDITOR. IN GROUP EDITOR SECTION SELECT 'UPRIGHT PIANO', IN MAPPING EDITOR SECTION SELECT 'SELECTED GROUPS ONLY'. NOW SELECT 'SELECT ALL ZONES' FROM EDIT DROPDOWN MENU. GO TO EDIT DROPDOWN MENU AGAIN AND PICK COPY ZONES. NOW EXIT PATCH EDIT MODE BY PRESSING THE WRENCH. ENTER QUEUESCAPE EDIT MODE (THE WRENCH BUTTON AGAIN), ACTIVATE GROUP EDITOR AND MAPPING EDITOR. SELECT GROUP '01 SINE', DELETE EXISTING ZONE IN MAPPING EDITOR (RIGHT CLICK ON IT AND CHOOSE 'DELETE ZONE' OR JUST SELECT IT AND PRESS 'DEL' ON KEYBOARD), NOW SELECT PASTE ZONES FROM EDIT DROPDOWN MENU. YOU MAY WANT TO EDIT GROUP NAME FOR MODIFIED OSCILLATOR, SO THE PROPER NAME WOULD APPEAR ON DISPLAY. DOUBLE CLICK ON GROUP NAME AND TYPE THE NAME YOU WANT, LIKE 'PIANO'.

NOW YOU MAY WANT TO DISABLE CHANNEL ROUTING, GO TO AMPLIFIER, CHANNEL ROUTING AND DESELECT YELLOW RECTANGLES. NORMALLY QUEUESCAPE IS USING A SEND FOR DRY SIGNAL, BYPASSING INSERT EFFECTS SECTION COMPLETELY. IF CHANNEL ROUTING IS NOT DISABLED THE SIGNAL WILL DOUBLE AND WILL SOUND DISTORTED. KONTAKT ENABLES CHANNEL ROUTING SEND BY DEFAULT WHEN PASTING A ZONE. ALTERNATIVELY, YOU MAY USE INSERT EFFECTS AND DISABLE DRY SEND COMPLETELY (BYPASS DRY SWITCH). HOWEVER YOU WOULD NEED TO SET CHANNEL ROUTING FOR REMAINING OSCILLATORS. AFTER MODIFYING A ZONE YOU MAY NEED TO SAVE AND RESTART THE PATCH, AS KONTAKT WILL LOOSE UI BACKGROUND ON THIS OPERATION.

TO ADJUST OSCILLATOR DEFAULT VOLUME, SELECT ALL ZONES IN MAPPING EDITOR AND ADJUST VOLUME ON ZONE LEVEL.



IN MODEL 20 THERE ARE 40 GROUPS, GROUPS 1-20 ARE DEFAULT WAVEFORMS, GROUPS 21-40 ARE FOR ALTERNATIVE WAVEFORMS. GROUPS 19,20,39 AND 40 ARE NOISE OSCILLATORS, THEY HAVE TRACKING DISABLED, SO IT'S BEST TO USE THEM FOR NON-MELODIC CONTENT.

THIS DOCUMENT ENDS HERE. HAVE FUN.

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