

Special #2 – blackboard scribble

Tone: frequency + waveform + envelope (ADSR)

Note: "name" + length + tuning frequency

Tempo: beats per minute (bpm)

120-150 bpm (techno)

> 300 bpm (speed metal, bebop jazz)

Beat: basic unit of time in a melody ("the pulse")

Measure/bar: a segment in a melody with a certain number of beats

Example time signatures:

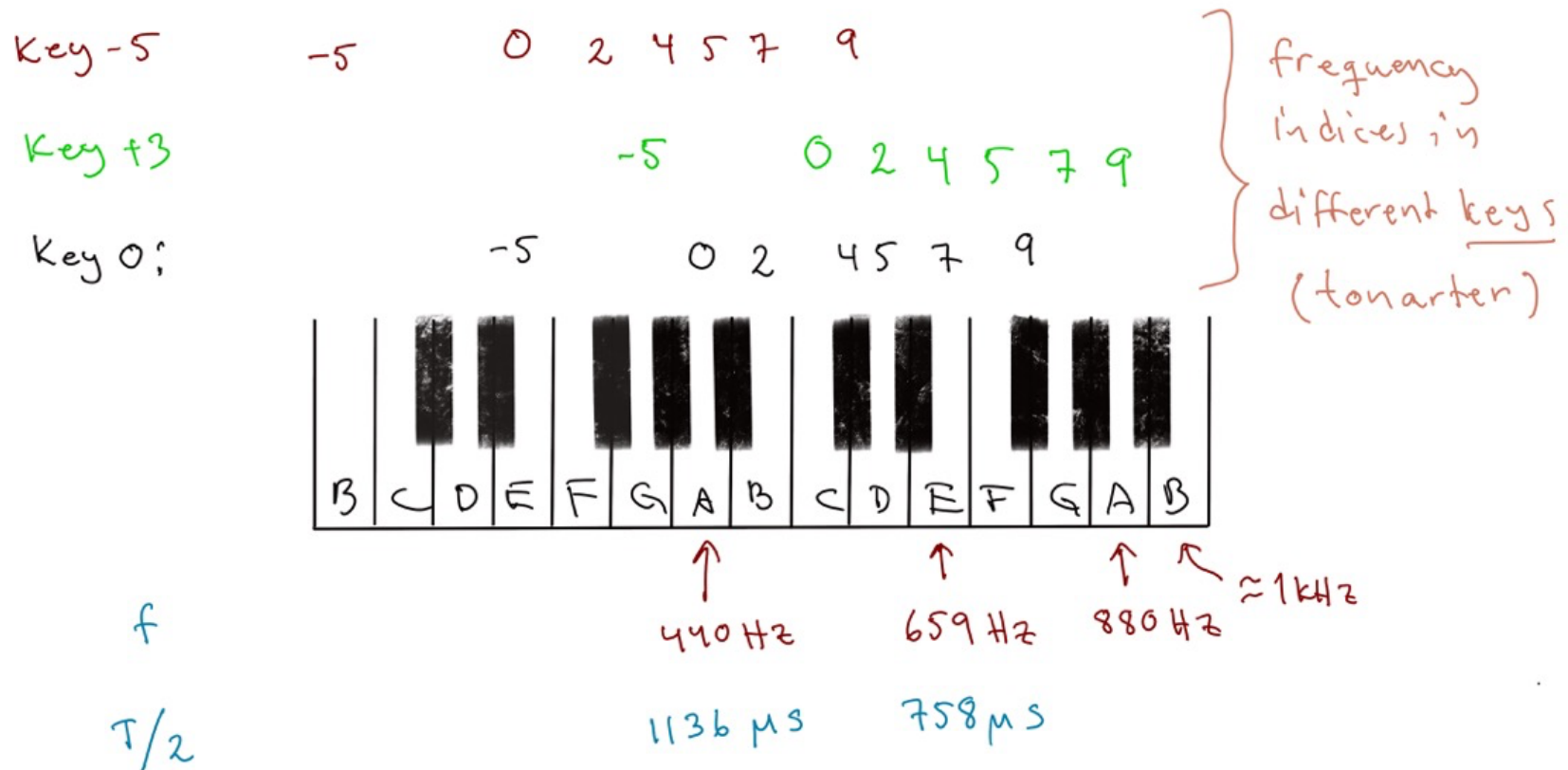
$4/4$ = 4 beats in a measure (ex. most music)

$3/4$ = 3 beats per measure (ex. waltz)

$5/4$ = 5 beats per measure (ex. Mission Impossible, Take 5)

$7/4$ = 7 beats per measure (ex. "Money" Pink Floyd)

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Lab assignment:






Default tempo = 120 bpm

[60 --- 240] bpm

$a = \bullet$: quarter note (fjärtedelsnot)	(= 1 beat)
$b = \circ$: half note (halvnot)	(= 2 beats) = $2a$
$c = \bullet$: eighth note (åttandedelsnot)	(= $\frac{1}{2}$ beat) = $\frac{1}{2}a$

For 120 bpm $\Rightarrow a = 0,5$ s

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Brother John						...
	a a a a	a a a a	a a b	a a b	c c c c a a	...
	0 2 4 0	0 2 4 0	4 5 7	4 5 7	7 9 7 5 4 0	...
key 0	A B C [#] A	A B C [#] A	C [#] D F	C [#] D F	E F [#] E D C [#] A	...
key +3	C D E C	C D E C	E F G	E F G	G A G F E C	...
key -5	E F [#] G [#] E	E F [#] G [#] E	G [#] A B	G [#] A B	B C [#] B A G [#] E	...

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