

Descarga Analysis Data

computer beats	computer upbeats	improvised pitch A (low)	improvised pitch E (high)
0.000	0.517	0.000	0.482
0.690	1.207	0.694	1.148
1.379	1.900	1.380	1.865
2.069	2.586	2.069	2.572
2.760	3.276	2.762	3.263
3.448	3.966	3.494	3.965
4.138	4.655	4.221	4.633
4.828	5.345	4.951	5.269
5.517	6.035	5.732	6.096
6.207	6.724	6.539	6.940
6.897	7.414	7.393	7.931
7.586	8.103	8.422	8.900
8.275	8.792	9.445	9.583
8.965	9.483		
9.655			

all numbers indicate seconds after downbeat

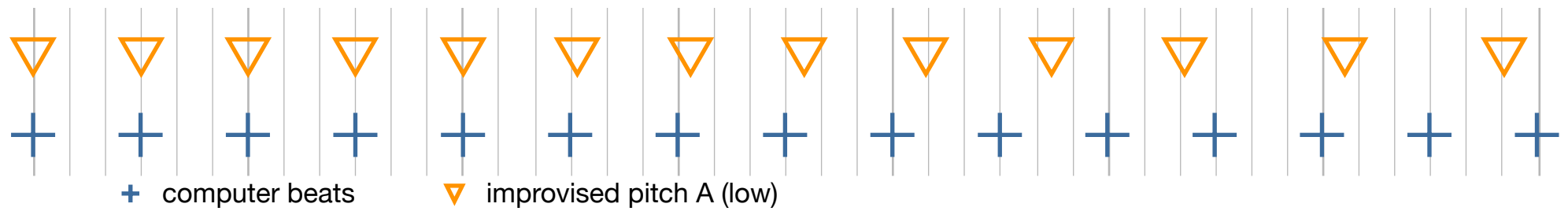
1. all onsets



computer beats	improvised pitch A (low)
0.000	0.000
0.690	0.694
1.379	1.380
2.069	2.069
2.760	2.762
3.448	3.494
4.138	4.221
4.828	4.951
5.517	5.732
6.207	6.539
6.897	7.393
7.586	8.422
8.275	9.445
8.965	
9.655	

all numbers indicate seconds after downbeat

2. gradual deceleration of pitch A onsets

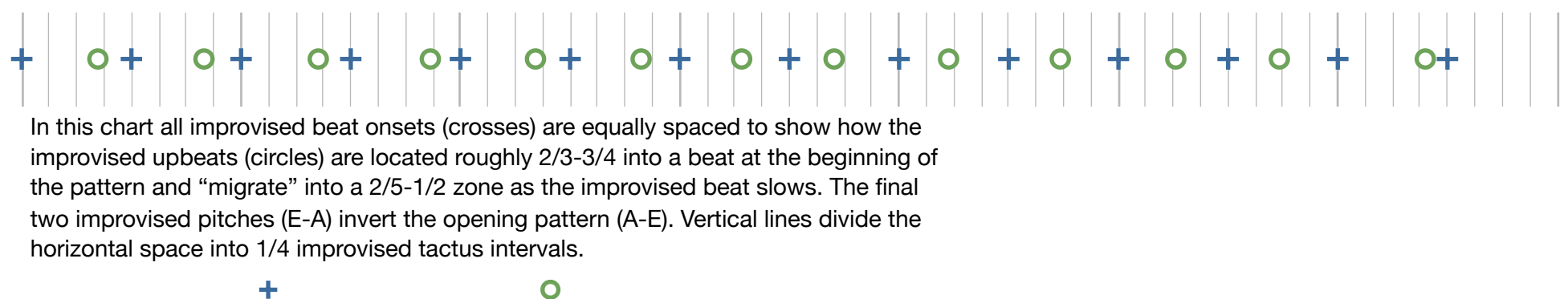


improvised upbeat onsets to locate	IOI for centeredness	timing for centeredness %	location of improvised upbeats within improvised beats
E1	0.694	0.482	69%
E2	0.686	0.454	66%
E3	0.689	0.485	70%
E4	0.693	0.503	73%
E5	0.732	0.501	68%
E6	0.727	0.471	65%
E7	0.730	0.412	56%
E8	0.781	0.318	41%
E9	0.807	0.364	45%
E10	0.854	0.401	47%
E11	1.029	0.538	52%
E12	1.023	0.478	47%
A13	0.683	0.545	80%

Derivation of data for chart 3. IOI data for each improvised pair of beats is in column 2. Column 3 shows where within a pair of beat IOIs an improvised upbeat occurred. Dividing these numbers yields a % location for improvised upbeats.

improvised beat onsets	improvised upbeat location
1-2	69%
2-3	66%
3-4	70%
4-5	73%
5-6	68%
6-7	65%
7-8	56%
8-9	41%
9-10	45%
10-11	47%
11-12	52%
12-13	47%
13-14	80%
14-15 (E-E)	

3. location of improvised upbeats within improvised beat IOIs



In this chart all improvised beat onsets (crosses) are equally spaced to show how the improvised upbeats (circles) are located roughly 2/3-3/4 into a beat at the beginning of the pattern and “migrate” into a 2/5-1/2 zone as the improvised beat slows. The final two improvised pitches (E-A) invert the opening pattern (A-E). Vertical lines divide the horizontal space into 1/4 improvised tactus intervals.