

R2B09 ACTIVITY LOG N13C + N13D

* Neural network prediction times and latencies

Table 2. Neural network prediction time, milliseconds

<i>Chord played</i>	<i>Total time (ms)</i>
A	1.51
A#m9	2.12
Daug	2.19
Em	3.05
Dm7	2.37
C#M7	2.4
G#sus4	2.96
G#7	2.25
Csus4	2.98
Cdim	3.18
C9sus4	2.63
BM9	2.7
F#9sus4	2.71
B11sus2	2.74
FmM7	2.77
Am6	3.06
D#M6	2.8
A#m6	2.83
C#dim9	2.86
C#11sus2	2.88
EM6	3.34
F9	3.13
F#sus2	3.91
GM7sus2	3.24
A9sus2	3.34
BM7sus2	3.72
Bm	4.16
B7sus4	3.72
Baug9	3.48
FM11	3.61

Table 3. Statistical analysis of neural network prediction time (95% CI, one-tailed t-test)

<i>t-Test: One-sample</i>	<i>left-tailed test</i>
H_{null}: m >= 10	HA: m < 10
	<i>Elapsed (m, ms)</i>
Mean	2.9546666667
St.dev	0.5754142935
Sample Size	30
Hypothesized Mean Difference	10
SE	0.1050557962
alpha	0.05
df	29
t Stat	-17.1962085669
P(T<=t) one-tail	4.70988820804791E-17
t Critical one-tail	-1.6991270265
tstat < tcritical	reject null
P < alpha	reject null