Automatic Music Performance Analysis and Comparison Toolkit (AMPACT)

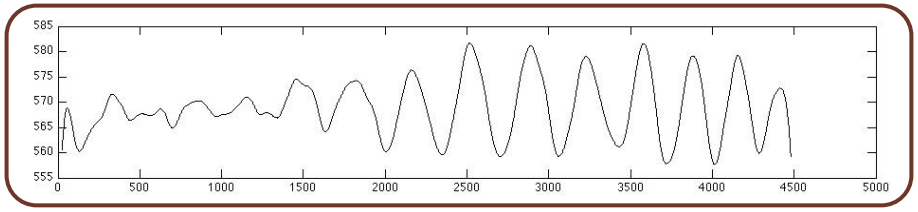
Johanna Devaney
Ohio State University

Steps for Extracting Data

Identify Note Onsets and Offsets

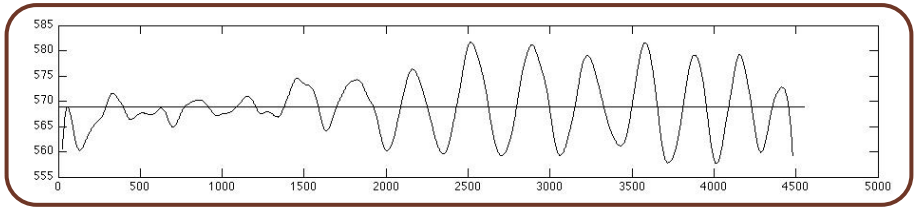
Devaney, Mandel, Ellis and Fujinaga (2011)

Fundamental Frequency (F0) Estimation



de Cheveigné and Kawahara (2002)

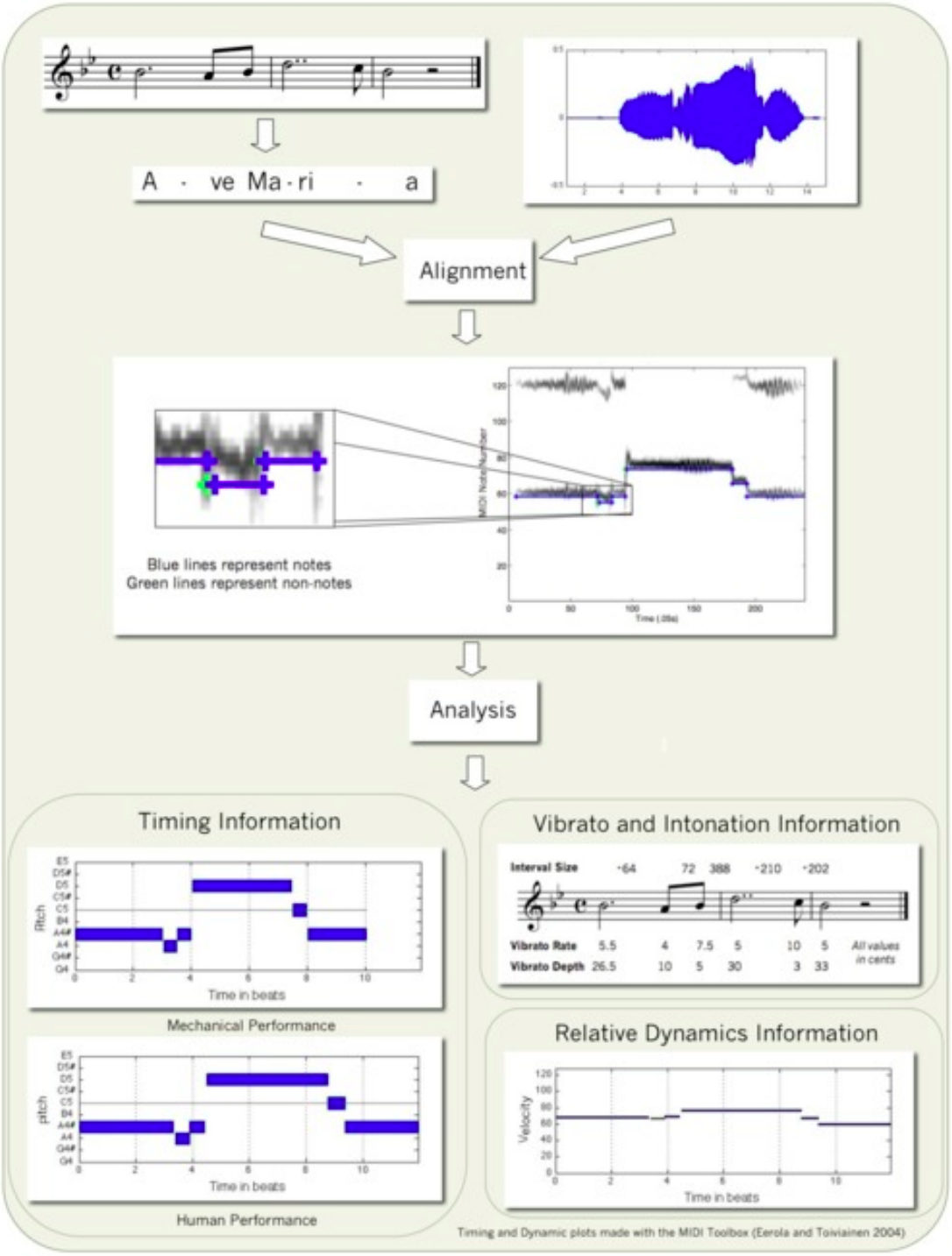
Perceived Pitch



Gockel, Moore, and Carylon (2001)

AMPACT
MATLAB toolkit

Available for download at
http://www.ampact.org



References

de Cheveigné A. and Kawahara H. 2002. YIN: A fundamental frequency estimator for speech and music. *Journal of the Acoustical Society of America* 111, 1917–30.

Devaney, J., M. Mandel, I., D. P. W. Ellis, and I. Fujinaga. 2011. Automatically extracting performance data from recordings of trained singers. *Psychomusicology: Music, Mind and Brain* 21 (1–2): 108–36.

Gockel H., Moore B., and Carlyon R. 2001. Influence of rate of change of frequency on the overall pitch of frequency-modulated tones. *Journal of the Acoustical Society of America* 109, 701–12.