

# ECE402 Required Readings

Electronic Music Survey Course – Prof. Haken

- Lexicon of Analyzed Tones: The Trumpet  
Moorer and Grey, pp 23-31, Computer Music Journal, Vol 2, No 2, September 1978
- Optimal Line Breaking in Music  
Hegazy and Gourlay, OSU-CISRC-8/87-TR33, Tech Report, Computer and Information Science,  
The Ohio State University, August 1987
- MusicXML Tutorial  
Good, pp 11-34, Recordare LLC Web Publication, March 2006
- Modelling Meter and Harmony: A Preference-Rule Approach  
Temperley and Sleator, pp10-26, Computer Music Journal, Vol 23, No 1, Spring 1999
- Improvement of Speech Spectrogram Accuracy by the Method of Reassignment  
Plante, Meyer, and Ainsworth, pp 282-7, IEEE Transactions on Audio Processing, Vol 6, No 3,  
May 1998
- Methods for Multiple Wavetable Synthesis of Musical Instrument Tones  
Horner, Beauchamp, and Haken, pp 336-56, Journal of the Audio Engineering Society, Vol 41,  
No 5, May 1993
- An Efficient Method for Digitally Shifting Digitally Sampled Sounds  
Lent, pp 65-71, Computer Music Journal, Vol 13, No 4, Winter 1989
- Effect Design: Reverberator and Other Filters  
Dattorro, pp 660-84, Journal of the Audio Engineering Society, Vol 45, No 9, September 1997
- Timbre Morphing of Sounds with Unequal Numbers of Features  
Tellman, Haken, and Holloway, pp 678-89, Journal of the Audio Engineering Society, Vol 43,  
No 9, September 1995
- A Modal-Based Real-Time Piano Synthesizer  
Balázs Bank, Stefano Zambon, and Federico Fontana, pp 809-821, IEEE Transactions on Audio,  
Speech and Language Processing, Vol 18, No 4, May 2010
- Effect Design: Reverberator and Other Filters  
Dattorro, pp 660-84, Journal of the Audio Engineering Society, Vol 45, No 9, September 1997
- Effect Design: Delay-line Modulation and Chorus  
Dattorro, pp 764-88, Journal of the Audio Engineering Society, Vol 45, No 10, October 1997
- Effect Design: Oscillators: Sinusoidal and Pseudonoise  
Dattorro, pp 115-46, Journal of the Audio Engineering Society, Vol 50, No 3, March 2002
- AES3-2003 (excerpt from the full document)  
Audio Engineering Society, pp 1-23, 2003-09-09 printing

## Additional Readings

- ECE302 Notes, Chapters 1-5 (included in this set of readings)  
Beauchamp, University of Illinois, Urbana, Illinois Email: j-beauch@uiuc.edu
- Continuum Fingerboard User Guide and EganMatrix User Guide (optional readings for the lab)  
available in the lab and on-line at [www.HakenAudio.com](http://www.HakenAudio.com) in the Resources area