BIBLIOGRAPHY

[1] Hans Abbing. Een speelse canon voor de popmuziek. In Huub B M Wijfjes, editor, *De muziek zegt alles. De Top 2000 onder professoren*. Uitgeverij L J Veen, Amsterdam, 2011.

[2] Charles R. Adams. Melodic Contour Typology. *Ethnomusicology*, 20(2):179–215, 1976.

[3] Anna Aljanaki, Dimitrios Bountouridis, John Ashley Burgoyne, Frans Wiering, Jan Van Balen, and Henkjan Honing. Designing Games with a Purpose for Music Research: Two Case Studies. In *The Games And Learning Alliance Conference (GALA)*, Paris, France, 2013.

[4] Anna Aljanaki and Frans Wiering. Computational Modeling Of Induced Emotion Using Gems. In *Proc. 15th International Society for Music Information Retrieval Conference*, pages 373–378, 2014.

[5] Jean-Julien Aucouturier. Sounds Like Teen Spirit: Computational Insights into the Grounding of Everyday Musical Terms. *Language, Evolution and the Brain*, pages 35–64, 2009.

[6] Jean-Julien Aucouturier and Emmanuel Bigand. Seven Problems That Keep MIR From Attracting the Interest of Cognition and Neuroscience. *Journal of Intelligent Information Systems*, 41(3):483–497, jul 2013.

[7] Jean-Julien Aucouturier and François Pachet. Representing Musical Genre : A State of the Art Representing Musical Genre : A State of the Art. *Journal of New Music Research*, 32(1):83–93, 2003.

[8] Mathieu Barthet, Mark D Plumbley, Alexander Kachkaev, Jason Dykes, Daniel Wolff, and Tillman Weyde. Big Chord Data Ex-

traction and Mining. In *Proc. 9th Conference on Interdisciplinary Musicology*, 2014.

[9] Mark A. Bartsch and Gregory H. Wakefield. To Catch a Chorus: Using Chroma-based Representations for Audio Thumbnailing. In *IEEE Workshop on Applications of Signal Processing to Audio and Acoustics*, pages 15–18. IEEE, 2001.

[10] Mark A. Bartsch and Gregory H. Wakefield. Audio Thumbnailing of Popular Music Using Chroma-Based Representations. *IEEE Transactions on Multimedia*, 7(1):96–104, 2005.

[11] James Bergstra, Norman Casagrande, Dumitru Erhan, Douglas Eck, and Balázs Kégl. Aggregate features and ADABOOST for music classification. *Machine Learning*, 65(2-3):473–484, 2006.

[12] Thierry Bertin-Mahieux and Daniel P. W. Ellis. Large-scale Cover Song Recognition Using Hashed Chroma Landmarks. *IEEE Workshop on Applications of Signal Processing to Audio and Acoustics*, pages 10–13, 2011.

[13] Thierry Bertin-Mahieux and Daniel P. W. Ellis. Large-Scale Cover Song Recognition Using The 2d Fourier Transform Magnitude. In *Proc. 13th International Society for Music Information Retrieval Conference*, pages 2–7, 2012.

[14] Thierry Bertin-Mahieux, Daniel P. W. Ellis, Brian Whitman, and Paul Lamere. The Million Song Dataset. In *Proc. 12th International Society for Music Information Retrieval Conference*, 2011.

[15] Jacob Bien and Robert J. Tibshirani. Sparse Estimation of a Covariance Matrix. *Biometrika*, 98(4):807–820, 2011.

[16] Christopher M. Bishop. Graphical Models. In *Pattern Recognition and Machine Learning*, chapter 8. Springer, 2006.

[17] Dimitrios Bountouridis and Jan Van Balen. The Cover Song Variation Dataset. In *Proc. 4th International Workshop on Folk Music Analysis*, pages 5–7, Istanbul, Turkey, 2014.

[18] Dimitrios Bountouridis and Jan Van Balen. Towards Capturing Melodic Stability. In *Proc. 9th Conference on Interdisciplinary Musicology*, Berlin, Germany, 2014.

[19] Judith C. Brown. Calculation of a Constant Q spectral Transform. *The Journal of the Acoustical Society of America*, 89(1):425, 1991.

[20] Scott Brown and Andrew Heathcote. The Simplest Complete Model of Choice Response Time: Linear Ballistic Accumulation. *Cognitive Psychology*, 57(3):153–178, 2008.

[21] John Ashley Burgoyne. *Stochastic Processes & Database-driven Musicology*. PhD thesis, McGill University, 2011.

[22] John Ashley Burgoyne. Music Information Retrieval. In Susan Schreibman, Ray Siemens, and John Unsworth, editors, *A New Companion to Digital Humanities*, pages 213—-228. Wiley-Blackwell, 2016.

[23] John Ashley Burgoyne, Dimitrios Bountouridis, Jan Van Balen, and Henkjan Honing. Hooked: a Game for Discovering What Makes Music Catchy. In *Proc. 14th International Society for Music Information Retrieval Conference*, Curitiba, Brazil, 2013.

[24] John Ashley Burgoyne, Abe D. Hofman, Han L.J. van der Maas, and Henkjan Honing. Adaptive Music Recognition Games for Dementia Therapy. In *Proceedings of the European Society for the Cognitive Sciences of Music*, Manchester, England, 2015.

[25] John Ashley Burgoyne, Jan Van Balen, Dimitrios Bountouridis, Themistoklis Karavellas, Frans Wiering, Remco C. Veltkamp, and Henkjan Honing. The Contours of Catchiness, or Where to Look for a Hook. In *International Conference on Music Perception and Cognition*, Seoul, South Korea, 2014.

[26] John Ashley Burgoyne, Jonathan Wild, and Ichiro Fujinaga. An Expert Ground-truth Set For Audio Chord Recognition and Music Analysis. In *Proc. 12th International Society Music Information Retrieval Conference*, 2011.

[27] John Ashley Burgoyne, Jonathan Wild, and Ichiro Fujinaga. Compositional Data Analysis of Harmonic Structures in Popular Music. *Mathematics and Computation in Music*, pages 52–63, 2013.

[28] Gary Burns. A Typology of 'Hooks' in Popular Records. *Popular music*, 6(1):1–20, 1987.

[29] Marcelo Caetano and Frans Wiering. Theoretical Framework of a Computational Model of Auditory Memory for Music Emotion Recognition. *Proc. 15th International Society for Music Information Retrieval Conference*, pages 331–336, 2014.

[30] Murray Campbell. Timbre (i). *Grove Music Online. Oxford Music Online.*, 2016.

[31] Pedro Cano, Eloi Battle, Ton Kalker, and Jaap Haitsma. A Review of Algorithms for Audio Fingerprinting. *IEEE Workshop on Multimedia Signal Processing.*, pages 169–173, 2002.

[32] Wei Chai. *Automated Analysis of Musical Structure*. PhD thesis, Massachusetts Institute of Technology, Boston, Massachusetts, 2005.

[33] Elaine Chew. *Towards a Mathematical Model of Tonality*. PhD thesis, Massachusetts Institute of Technology, 2000.

[34] Michael Clausen and Meinard Müller. Transposition-Invariant Self-Similarity Matrices. In *Proc. 8th International Society for Music Information Retrieval Conference*, 2007.

[35] Adam Coates, Ann Arbor, and Andrew Y Ng. An Analysis of Single-Layer Networks in Unsupervised Feature Learning. *Aistats 2011*, pages 215–223, 2011.

[36] Nicholas Cook. *Music: A Very Short Introduction*. Oxford Paperbacks, Oxford, 1998.

[37] Nicholas Cook and Eric Clarke. What is Empirical Musicology? In Eric Clarke and Nicholas Cook, editors, *Empirical Musicology: Aims, Methods, Prospects*, chapter 1, pages 3—-14. Oxford University Press, Oxford, New York, 2004.

[38] Roger B. Dannenberg and Masataka Goto. Music Structure Analysis from Acoustic Signals. In David Havelock, Sonoko Kuwano, and Michael Vorländer, editors, *Handbook of Signal Processing in Acoustics*. Springer New York, 2008.

[39] Roger B. Dannenberg and Ning Hu. Pattern Discovery Techniques for Music Audio. *Journal of New Music Research*, 32(2):153–163, jun 2003.

[40] Alain de Cheveigne and Hideki Kawahara. YIN, a fundamental frequency estimator for speech and music. *The Journal of the Acoustical Society of America*, 111(4):1917, 2002.

[41] Trevor de Clercq and David Temperley. A corpus analysis of rock harmony. *Popular Music*, 30(01):47–70, jan 2011.

[42] Emmanuel Deruty and Damien Tardieu. About dynamic processing in mainstream music. *Journal of the Audio Engineering Society*, 62(1-2):42–56, 2014.

[43] Sander Dieleman, Philémon Brakel, and Benjamin Schrauwen. Audio-based music classification with a pretrained convolutional network. *Proc. 12th International Society for Music Information Retrieval Conference*, pages 669–674, 2011.

[44] Sander Dieleman and Benjamin Schrauwen. Multiscale Approaches to Musical Audio Feature Learning. In *Proceedings of the 14th international society for music information retrieval conference*, 2013.

[45] Christian Dittmar, Kay F. Hildebrand, Daniel Gaertner, Manuel Winges, Florian Müller, and Patrick Aichroth. Audio Forensics Meets Music Information Retrieval - A Toolbox for Inspection

of Music Plagiarism. In *European Signal Processing Conference (EUSIPCO)*, pages 1249–1253, 2012.

[46] William Fishburn Donkin. *Acoustics*. Macmillan and Co., London, 1870.

[47] J. Stephen Downie. The music information retrieval evaluation exchange (20052007): A window into music information retrieval research. *Acoustical Science and Technology*, 29(4):247—-255, 2008.

[48] Daniel P.W. Ellis and Courtenay V Cotton. The 2007 Labrosa Cover Song Detection System. In *MIREX 2007*, 2007.

[49] Daniel P.W. Ellis, C.V. Cotton, and M.I. Mandel. Cross-correlation of beat-synchronous representations for music similarity. In *Proc. IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, pages 57–60. IEEE, 2008.

[50] A Eronen and F Tampere. Chorus detection with combined use of MFCC and chroma features and image processing filters. In *Proc Int Conf Digital Audio Effects (DAFx)*, pages 1–8, 2007.

[51] Sébastien Fenet, Richard Gaël, and Yves Grenier. A Scalable Audio Fingerprint Method with Robustness to Pitch-shifting. In *Proc. 12th International Conference on Music Information Retrieval*, 2011.

[52] William Tecumseh Fitch. Four principles of bio-musicology. *Philosophical Transactions of the Royal Society B*, 10(3):197–202, 2015.

[53] Karl Friston. The free-energy principle: a unified brain theory? *Nature Reviews Neuroscience*, 11(2):127–138, 2010.

[54] Takuya Fujishima. Realtime chord recognition of musical sound: A system using common lisp music. In *Proc. International Computer Music Conference*, pages 464–467, 1999.

[55] Emilia Gomez. *Tonal Description of Musical Audio Signals*. PhD thesis, Universitat Pompeu Fabra, 2006.

[56] Emilia Gomez and Perfecto Herrera. Comparative Analysis of Music Recordings from Western and Non-Western Traditions by Automatic Tonal Feature Extraction and Data Mining. *Empirical Musicology Review*, 3(3):68, 2008.

[57] Masataka Goto. A chorus-section detecting method for musical audio signals. In *Proc. IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, pages 437—-440, 2003.

[58] Masataka Goto. A Chorus Section Detection Method for Musical Audio Signals and Its Application to a Music Listening Station. *IEEE Transactions on Audio, Speech and Language Processing*, 14(5):1783–1794, 2006.

[59] Peter Grosche, Meinard Müller, and Joan Serrà. Audio Content-based Music Retrieval. In Meinhard Müller, Masataka Goto, and Markus Schedl, editors, *Multimodal Music Processing*. Dagstuhl Publishing, 2012.

[60] Enric Guaus. *Audio content processing for automatic music genre classification: descriptors, databases, and classifiers.* PhD thesis, Universitat Pompeu Fabra, 2009.

[61] W. Bas De Haas and Frans Wiering. Hooked on Music Information Retrieval. *Empirical Musicology Review*, 5(4):176–185, 2010.

[62] Jaap Haitsma, Ton Kalker, and Job Oostveen. Robust audio hashing for content identification. In *International Workshop on Content-Based Multimedia Indexing*, pages 117–124. Citeseer, 2001.

[63] Philippe Hamel and Douglas Eck. Learning Features from Music Audio with Deep Belief Networks. In *Proc. 11th International Society for Music Information Retrieval Conference*, pages 339–344, 2010.

Bibliography

[64] Philippe Hamel, Simon Lemieux, Yoshua Bengio, and Douglas Eck. Temporal Pooling and Multiscale Learning for Automatic Annotation and Ranking of Music Audio. *Proc. 12th International Society for Music Information Retrieval Conference*, page 876, 2011.

[65] Christopher Harte, Mark Sandler, and Martin Gasser. Detecting harmonic change in musical audio. *Proceedings of the 1st ACM workshop on Audio and music computing multimedia AMCMM 06*, C(06):21, 2006.

[66] Trevor Hastie, Robert Tibshirani, and Jerome Friedman. *The Elements of Statistical Learning*. Springer, 2009.

[67] Wolfgang Hess. *Pitch Determination of Speech Signals*. Springer Science & Business Media, 1983.

[68] Henkjan Honing. The comeback of systematic musicology: new empiricism and the cognitive revolution. *Tijdschrift voor Muziektheorie*, 9(3):241, 2004.

[69] Henkjan Honing. Lure(d) into listening : The potential of cognition-based music information retrieval. *Empirical Musicology Review*, 5(4):146–151, 2010.

[70] Henkjan Honing. *The Illiterate Listener: On Music Cognition, Musicality and Methodology*. Vossiuspers UvA, Amsterdam, 2011.

[71] Henkjan Honing. *Musical cognition: a science of listening*. Transaction Publishers, 2014.

[72] John L Horn. A Rationale and Test for the Number of Factors in Factor Analysis. *Psychometrika*, 30(2):179–185, 1965.

[73] Yifan Hu, Chris Volinsky, and Yehuda Koren. Collaborative filtering for implicit feedback datasets. *Proceedings - IEEE International Conference on Data Mining, ICDM*, pages 263–272, 2008.

[74] Eric J. Humphrey, Aron P. Glennon, and Juan Pablo Bello. Nonlinear semantic embedding for organizing large instrument sam-

ple libraries. *Proc. 10th International Conference on Machine Learning and Applications, ICMLA 2011*, 2:142–147, 2011.

[75] Eric J. Humphrey, Oriol Nieto, and Juan Pablo Bello. Data Driven and Discriminative Projections for Large-Scale Cover Song Identification. In *Proc. 14th International Society for Music Information Retrieval Conference*, 2013.

[76] David Huron. Voice Denumerability in Polyphonic Music of Homogeneous Timbres. *Music Perception: An Interdisciplinary Journal*, 6(4):361—-382, 1989.

[77] David Huron. The Melodic Arch in Western Folksongs. *Computing in musicology*, 1996.

[78] David Huron. Musical Expectation. In *The 1999 Ernest Bloch Lectures*. Ohio State University, 1999.

[79] David Huron. The New Empiricism: Systematic Musicology in a Postmodern Age. *The 1999 Ernest Bloch Lectures*, 1999.

[80] David Huron. *Sweet Anticipation: Music and the Psychology of Expectation*. Bradford Bks. MIT Press, 2006.

[81] David Huron. On the Virtuous and the Vexations in the Age of Big Data. *Music Perception*, 31(1):4—-9, 2013.

[82] David Huron and Elizabeth Hellmuth Margulis. Musical expectancy and thrills. In Patrik N Juslin and John Sloboda, editors, *Handbook of music and emotion: Theory, research, applications*, pages 575–604. Oxford University Press, 2011.

[83] Charles Inskip and Frans Wiering. In Their Own Words: Using Text Analysis to Identify Musicologists Attitudes Towards Technology. In *Proc. 16th International Society for Music Information Retrieval Conference*, pages 455–461, 2015.

[84] Kelly Joan Jakubowski. *Investigating Temporal and Melodic Aspects of Musical Imagery*. PhD thesis, Goldsmiths, University of London, 2015.

[85] Florian Kaiser and Geoffroy Peeters. A Simple Fusion Method of State and Sequence Segmentation for Music Structure Discovery. *Proc. 14th International Society for Music Information Retrieval Conference*, 2013.

[86] Markus Kalisch and Martin Mächler. Causal Inference using Graphical Models with the R-Package pcalg. *Journal of Statistical Software*, 47(11):1—-26, 2012.

[87] Michael Kassler. *Proving musical theorems I: The middleground of Heinrich Schenker's theory of tonality*. Basser Dept. of Computer Science, School of Physics, University of Sydney, 1975.

[88] Joseph Kerman. *Contemplating music: Challenges to musicology*. Harvard University Press, 1985.

[89] Samuel Kim and Shrikanth Narayanan. Dynamic chroma feature vectors with applications to cover song identification. *IEEE 10th Workshop on Multimedia Signal Processing*, pages 984–987, oct 2008.

[90] Samuel Kim, Erdem Unal, and Shrikanth Narayanan. Music fingerprint extraction for classical music cover song identification. *IEEE Multimedia and Expo*, 2008.

[91] Youngmoo E. Kim, Erik M Schmidt, Raymond Migneco, Brandon G. Morton, Patrick Richardson, Jeffrey Scott, Jacquelin A. Speck, and Douglas Turnbull. Music Emotion Recognition : a State of the Art Review. In *Proc. 11th International Society for Music Information Retrieval Conference*, pages 255–266, 2010.

[92] Jacques Klöters. *Omdat ik zoveel van je hou. Nederlandse chansons en cabaretliederen 1895-1958*. Nijgh en Van Ditmar, Amsterdam, 1991.

[93] Daphne Koller and Nir Friedman. *Probabilistic Graphical Models: Principles and Techniques*. MIT Press, Cambridge, Massachusetts, 2009.

[94] Hendrik Vincent Koops, Anja Volk, and W Bas De Haas. Corpus-Based Rhythmic Pattern Analysis of Ragtime Syncopation. *Proc. 16th International Society for Music Information Retrieval Conference*, pages 483–489, 2015.

[95] Reinhard Kopiez and Daniel Müllensiefen. Auf der Suche nach den 'Popularitätsfaktoren' in den Song-Melodien des Beatles-Album Revolver, 2013.

[96] Mark D. Korhonen, David A. Clausi, and M. Ed Jernigan. Modeling emotional content of music using system identification. *IEEE Transactions on Systems, Man, and Cybernetics, Part B: Cybernetics*, 36(3):588–599, 2006.

[97] Katerina Kosta, Oscar F. Bandtlow, and Elaine Chew. Pracitical Implications of Dynamic Markings in the Score: is Piano always Piano? In *Proceedings of Audio Engineering Society 53rd International Conference*, 2014.

[98] Peter Van Kranenburg, Martine De Bruin, Louis P Grijp, Frans Wiering, Peter Van Kranenburg, Martine De Bruin, Louis P Grijp, and Frans Wiering. Meertens Online Reports: The Meertens Tune Collections. Technical report, Meertens Instituut, Amsterdam, 2014.

[99] Charles Kronengold. Accidents, hooks and theory. *Popular Music*, 24(03):381, 2005.

[100] Carol L. Krumhansl. *Cognitive foundations of musical pitch*, volume 17. Oxford University Press New York, 1990.

[101] Carol L. Krumhansl. Plink: "Thin Slices" of Music. *Music Perception*, 27(5):337–354, 2010.

[102] Frank Kurth and Meinard Müller. Efficient Index-Based Audio Matching. *IEEE Transactions on Audio, Speech, and Language Processing*, 16(2):382–395, feb 2008.

[103] Olivier Lartillot and Petri Toiviainen. A matlab toolbox for musical feature extraction from audio. In *Proc. International Conference on Digital Audio Effects*, pages 237–244, 2007.

[104] Marc Leman, Dirk Moelants, Matthias Varewyck, Frederik Styns, Leon van Noorden, and Jean-Pierre Martens. Activating and relaxing music entrains the speed of beat synchronized walking. *PloS One*, 8(7), jan 2013.

[105] Fred Lerdahl. Genesis and Architecture of the GTTM Project. *Music Perception*, 26(3):187–194, 2009.

[106] Armand M. Leroi. Digitizing the Humanities, 2015.

[107] Micheline Lesaffre, Marc Leman, Koen Tanghe, B De Baets, De Baets, and Hans De Meyer. User-Dependent Taxonomy of Musical Features As a Conceptual Framework for Musical Audio-Mining Technology. In *Proceedings of the Stockholm Music and Acoustics Conference*, 2003.

[108] Daniel J. Levitin and Perry R. Cook. Memory for musical tempo: additional evidence that auditory memory is absolute. *Perception & psychophysics*, 58(6):927–935, 1996.

[109] Tao Li and Mitsunori Ogihara. Detecting emotion in music. In *Proc. 4th International Symposium on Music Information Retrieval*, pages 239–240, 2003.

[110] Yipeng Li and David Huron. Melodic modeling: A comparison of scale degree and interval. In *Proceedings of the International Computer Music Journal*, 2006.

[111] Peter H Lindsay and Donald A Norman. *Human information processing: An introduction to psychology*. Academic Press, 1977.

[112] Alan Lomax. *Folk Song Style and Culture*. Transaction Books, 1968.

[113] Alan Lomax and Norman Berkowitz. The Evolutionary Taxonomy of Culture. *Science*, 177(4045):228–239, 1972.

[114] Lie Lu, Muyuan Wang, and Hong-Jiang Zhang. Repeating Pattern Discovery and Structure Analysis from Acoustic Music Data. *ACM Workshop on Multimedia Information Retrieval*, pages 0–7, 2004.

[115] Michael I. Mandel and Daniel P. W. Ellis. Song-level features and support vector machines for music classification. *Proc. 11th International Society for Music Information Retrieval Conference*, pages 594–599, 2005.

[116] Christopher Manning and Hinrich Schütze. Collocations. *Foundations of Statistical Natural Language Processing*, pages 151–189, 1999.

[117] Elizabeth Hellmuth Margulis. Musical Repetition Detection Across Multiple Exposures. *Music Perception*, 29(4):377–385, 2012.

[118] Elizabeth Hellmuth Margulis. *On Repeat: How Music Plays the Mind*. Oxford University Press, 2013.

[119] Elizabeth Hellmuth Margulis. Verbatim repetition and musical engagement. *Psychomusicology: Music, Mind and Brain*, 24(2):157, 2014.

[120] Matthias Mauch and Simon Dixon. Approximate note transcription for the improved identification of difficult chords. In *Proc. 11th International Society for Music Information Retrieval Conference*, pages 135–140, 2010.

[121] Matthias Mauch and Simon Dixon. A Corpus-based Study of Rhythm Patterns. In *Proc. 13th International Society for Music Information Retrieval Conference*, pages 163–168, 2012.

[122] Matthias Mauch, Robert M. MacCallum, Mark Levy, and Armand M. Leroi. The evolution of popular music: USA 1960-2010. *Proceedings of the Royal Society B*, 2015.

Bibliography

[123] Stephen McAdams, Philippe Depalle, and Eric Clarke. Analyzing Musical Sound. In Eric Clarke and Nicholas Cook, editors, *Empirical Musicology: Aims, Methods, Prospects*, chapter 8, pages 157——196. Oxford University Press, Oxford, New York, 2004.

[124] Susan McClary. *Conventional wisdom: The content of musical form*. University of California Press, 2000.

[125] Brian Mcfee and Daniel P.W. Ellis. Analyzing Song Structure with Spectral Clustering. In *Proc. 15th International Society for Music Information Retrieval Conference*, 2014.

[126] Peter Mercer-Taylor. Two-and-a-half centuries in the life of a Hook. *Popular Music & Society*, 23(2):1–15, 1999.

[127] Paul Mermelstein. Distance measures for speech recognition, psychological and instrumental, 1976.

[128] Leonard B. Meyer. *Emotion and Meaning in Music*. Phoenix books. University of Chicago Press, 1961.

[129] Richard Middleton. Form. In J. Shepherd, D. Horn, and D. Laing, editors, *Continuum Encyclopedia of Popular Music of the World Part 1: Performance and Production*. Continuum Int. Publishing Group, 2003.

[130] Dirk Moelants, Olmo Cornelis, and Marc Leman. Exploring African tone scales. *Proc. 10th International Society for Music Information Retrieval Conference*, pages 489–494, 2009.

[131] Bob Monaco and James Riordan. *The Platinum Rainbow: How to Make it Big in the Music Business.* Omnibus, 1980.

[132] Daniel Müllensiefen. Fantastic: Feature ANalysis Technology Accessing STatistics (In a Corpus). Technical report, Goldsmiths, University of London, 2009.

[133] Daniel Mullensiefen, Joshua Fry, Rhiannon Jones, Sagar Jilka, Lauren Stewart, and Victoria J Williamson. Individual Dif-

ferences in Spontaneous Musical Imagery. *Music Perception*, 31(4):323–338, 2014.

[134] Daniel Müllensiefen and Andrea R. Halpern. The Role of Features and Context in Recognition of Novel Melodies. *Music Perception*, 31(5):418–435, 2014.

[135] Meinard Müller. Dynamic Time Warping. In *Information Retrieval for Music and Motion*, pages 69–84. Springer Berlin Heidelberg New York, 2007.

[136] Meinard Müller and Sebastian Ewert. Towards Timbre-Invariant Audio Features for Harmony-Based Music. *IEEE Transactions on Audio, Speech and Language Processing*, 18(3):649—-662, 2010.

[137] Meinard Müller, Peter Grosche, and Nanzhu Jiang. A Segment-based Fitness Measure for Capturing Repetitive Structures of Music Recordings. In *Proc. 12th International Society for Music Information Retrieval Conference*, pages 615–620, 2011.

[138] Shinichi Nakagawa and Holger Schielzeth. A general and simple method for obtaining R2 from generalized linear mixed-effects models. *Methods in Ecology and Evolution*, 4(2):133–142, 2013.

[139] Sir Isaac Newton. *Opticks: a treatise of the reflexions, refractions, inflexions and colours of light*. The Royal Society, London, 1704.

[140] Joseph C. Nunes, Andrea Ordanini, and Francesca Valsesia. The power of repetition: repetitive lyrics in a song increase processing fluency and drive market success. *Journal of Consumer Psychology*, 25(2):187–199, 2014.

[141] Alexey Ozerov, Pierrick Philippe, Frédéric Bimbot, and Rémi Gribonval. Adaptation of bayesian models for single-channel source separation and its application to voice/music separation in popular songs. *IEEE Transactions on Audio, Speech and Language Processing*, 15(5):1564–1578, 2007.

[142] Elias Pampalk. A Matlab Toolbox To Compute Music Similarity From Audio. In *Proc. 5th International Symposium on Music Information Retrieval*, 2004.

[143] Ioannis Panagakis, Emmanouil Benetos, and Constantine Kotropoulos. Music genre classification: a multilinear approach. In *Proc. 9th International Society for Music Information Retrieval Conference*, 2008.

[144] Yannis Panagakis, Constantine Kotropoulos, and Gonzalo R. Arce. Music genre classification via sparse representations of auditory temporal modulations. *Proc. XVII European Signal ...*, 2009.

[145] Renato Panda, Bruno Rocha, and Rui Pedro Paiva. Dimensional music emotion recognition: Combining standard and melodic audio features. In *Proc. 10th International Symposium on Computer Music Multidisciplinary Research*, pages 1–11, 2013.

[146] Maria Panteli and Hendrik Purwins. A Quantitative Comparison of Chrysanthine Theory and Performance Practice of Scale Tuning, Steps, and Prominence of the Octoechos in Byzantine Chant. *Journal of New Music Research*, 42(3):205–221, 2013.

[147] Jouni Paulus. Music Structure Analysis by Finding Repeated Parts. In *Audio and Music Computing for Multimedia Workshop*, 2006.

[148] Jouni Paulus. Improving Markov Model-Based Music Piece Structure Labeling With Acoustic Information. In *Proc. 11th International Society for Music Information Retrieval Conference*, pages 303–308, 2010.

[149] Jouni Paulus and Anssi P. Klapuri. Labelling the structural parts of a music piece with markov models. In S Ystad, R Kronland-Martinet, and K Jensen, editors, *Proc. 5th International Symposium on Computer Music Modeling and Retrieval (CMMR)*, volume 5493 LNCS, pages 166–176, Copenhagen, Denmark, 2009. Springer-Verlag Berlin Heidelberg.

[150] Jouni Paulus, Meinard Müller, and Anssi P. Klapuri. Audio-based music structure analysis. In *Proc. 11th International Society for Music Information Retrieval Conference*, pages 625–636, 2010.

[151] Marcus T. Pearce. *The construction and evaluation of statistical models of melodic structure in music perception and composition*. PhD thesis, City University London, 2005.

[152] Marcus T. Pearce and Martin Rohrmeier. Music Cognition and the Cognitive Sciences. *Topics in Cognitive Science*, 4(4):468–484, 2012.

[153] Marcus T. Pearce and Geraint A. Wiggins. Auditory expectation: the information dynamics of music perception and cognition. *Topics in cognitive science*, 4(4):625–52, oct 2012.

[154] Geoffroy Peeters. A large set of audio features for sound description (similarity and classification) in the CUIDADO project. Technical report, Ircam, 2004.

[155] Geoffroy Peeters. Sequence representation of music structure using higher-order similarity matrix and maximum-likelihood approach. In *Proc. 8th International Society for Music Information Retrieval Conference*, 2007.

[156] Geoffroy Peeters and Victor Bisot. Improving Music Structure Segmentation Using Lag-Priors. In *Proc. 15th International Society for Music Information Retrieval Conference*, pages 337–342, 2014.

[157] Carlos Silva Pereira, João Teixeira, Patrícia Figueiredo, João Xavier, São Luís Castro, and Elvira Brattico. Music and Emotions in the Brain: Familiarity Matters. *PLoS ONE*, 6(11), 2011.

[158] Isabelle Peretz, Dominique Vuvan, Marie-Élaine Lagrois, and Jorge L Armory. Neural overlap in processing music and speech. *Philosophical transactions of the Royal Society of London. Series B, Biological sciences*, 370:20140090, 2015.

Bibliography

[159] R Plomp and W J Levelt. Tonal consonance and critical band-width. *The Journal of the Acoustical Society of America*, 38(4):548–560, 1965.

[160] Graham E. Poliner and Dan Ellis. A Classification Approach to Music Transcription. *Proc. 6th International Society for Music Information Retrieval Conference*, 2005.

[161] Graham E. Poliner, Daniel P.W. Ellis, Andreas F. Ehmann, Emilia Gómez, Sebastian Streich, and Beesuan Ong. Melody Transcription From Music-Audio: Approaches and Evaluation. *IEEE Transactions on Audio Speech and Language Processing*, 15(4):1247, 2007.

[162] Jose Quesada. *Creating your own LSA space*, pages 71–85. Lawrence Erlbaum associates, Mahwah, New Jersey, 2007.

[163] Colin Raffel and Daniel P.W. Ellis. Large-Scale Content-Based Matching of Midi and Audio Files. *Proc. 16th International Society for Music Information Retrieval Conference*, pages 234–240, 2015.

[164] Roger Ratcliff. A theory of memory retrieval. *Psychological Review*, 85(2):59–108, 1978.

[165] Bruno Rocha, Niels Bogaards, and Aline Honingh. Segmentation and timbre-and rhythm-similarity in Electronic Dance Music. *Proc. Sound and Music Computing Conference*, pages 1–29, 2013.

[166] Pablo H. Rodriguez Zivic, Favio Shifres, and Guillermo a Cecchi. Perceptual basis of evolving Western musical styles. *Proceedings of the National Academy of Sciences of the United States of America*, 110(24):10034–8, jun 2013.

[167] Martin Rohrmeier and Thore Graepel. Comparing Feature-Based Models of Harmony. In *Proc. 9th International Symposium on Computer Music Modeling and Retrieval*, pages 357–370, 2012.

[168] Justin Salamon and Emilia Gomez. Melody Extraction From Polyphonic Music Signals Using Pitch Contour Characteristics. *IEEE Transactions on Audio, Speech, and Language Processing*, 20(6):1759–1770, aug 2010.

[169] Justin Salamon, Bruno Rocha, and Emilia Gómez. Musical genre classification using melody features extracted from polyphonic music signals. In *Proc. International Conference Acoustics, Speech and Signal Processing (ICASSP)*, 2012.

[170] Patrick E. Savage and Steven Brown. Toward a new comparative musicology. *Analytical Approaches to World Music*, 2(2):148–197, 2013.

[171] Patrick E. Savage, Steven Brown, Emi Sakai, and Thomas E. Currie. Statistical universals reveal the structures and functions of human music. *Proceedings of the National Academy of Sciences of the United States of America*, 2015.

[172] Nicolas Scaringella, Giorgio Zoia, and Daniel Mlynek. Automatic genre classification of music content. *IEEE Signal Processing Magazine*, 23(2):133–141, 2006.

[173] E. Glenn Schellenberg and Christian von Scheve. Emotional cues in American popular music: Five decades of the Top 40. *Psychology of Aesthetics, Creativity, and the Arts*, 6(3):196–203, 2012.

[174] Joan Serrà. *Identification of Versions of the Same Musical Composition by Processing Audio Descriptions*. PhD thesis, Universitat Pompeu Fabra, 2011.

[175] Joan Serrà, Alvaro Corral, Marián Boguñá, Martín Haro, and Josep Ll Arcos. Measuring the evolution of contemporary western popular music. *Scientific reports*, 2:521, jan 2012.

[176] Joan Serrà and Emilia Gómez. Chroma binary similarity and local alignment applied to cover song identification. *Audio, Speech, and . . .*, XX:1–14, 2008.

[177] Joan Serrà, Emilia Gómez, and Perfecto Herrera. Audio cover song identification and similarity: background, approaches, evaluation, and beyond. In *Advances in Music Information Retrieval*, pages 307–332. Springer, 2010.

[178] Joan Serrà, Xavier Serra, and Ralph G. Andrzejak. Cross recurrence quantification for cover song identification. *New Journal of Physics*, 11(9):093017, sep 2009.

[179] Xavier Serra, Michela Magas, Emmanouil Benetos, Magdalena Chudy, Simon Dixon, Arthur Flexer, Emilia Gómez, Fabien Gouyon, Perfecto Herrera, Sergi Jordà, Oscar Paytuvi, Geoffroy Peeters, Jan Schlüter, Hugues Vinet, and Gerard Widmer. *Roadmap for Music Information ReSearch*. The MIReS Consortium, 2013.

[180] Andrew J.R. Simpson, Gerard Roma, and Mark D. Plumbley. Deep Karaoke: Extracting Vocals from Musical Mixtures Using a Convolutional Deep Neural Network. In *Proceedings of the International Conference on Latent Variable Analysis and Signal Separation (LVA/ICA)*, pages 429–436, 2015.

[181] Joren Six and Marc Leman. Panako: a scalable acoustic fingerprinting system handling time-scale and pitch modification. In *Proc. 15th International Society for Music Information Retrieval Conference*, 2014.

[182] Jordan B.L. Smith, John Ashley Burgoyne, Ichiro Fujinaga, David De Roure, and J Stephen Downie. Design and creation of a large-scale database of structural annotations. In *Proc. 12th International Society for Music Information Retrieval Conference*, pages 555–560, 2011.

[183] Peverill Squire. Why the 1936 Literary Digest Poll Failed. *Public Opinion Quarterly*, 52(1):125–133, 1988.

[184] Bob L. Sturm. Classification accuracy is not enough. *Journal of Intelligent Information Systems*, 41(3):371–406, jul 2013.

Bibliography

[185] Bob L. Sturm. The State of the Art Ten Years After a State of the Art: Future Research in Music Information Retrieval. *Journal of New Music Research*, 43(2):147–172, 2014.

[186] Hiroko Terasawa, Malcolm Slaney, and Jonathan Berger. The thirteen colors of timbre. In *IEEE Workshop on Applications of Signal Processing to Audio and Acoustics*, pages 323–326, 2005.

[187] Don Traut. Simply Irresistible: recurring accent patterns as hooks in mainstream 1980s music. *Popular Music*, 24(1):57–77, 2005.

[188] George Tzanetakis and Perry R. Cook. Musical genre classification of audio signals. *IEEE Transactions on Speech and Audio Processing*, 10(5):293–302, 2002.

[189] George Tzanetakis and Perry Cook. Audio Information Retrieval (AIR) Tools. In *Proc. International Symposium on Music Information Retrieval*, 2000.

[190] Karen Ullrich, Jan Schlüter, and Thomas Grill. Boundary Detection in Music Structure Analysis Using Convolutional Neural Networks. *Proc. 14th International Society for Music Information Retrieval Conference*, 2014.

[191] Jan Van Balen, Dimitrios Bountouridis, Frans Wiering, and Remco Veltkamp. Cognition-inspired Descriptors for Scalable Cover Song Retrieval. In *Proc. 15th International Society for Music Information Retrieval Conference*, pages 379–384, Taipe, Taiwan, 2014.

[192] Jan Van Balen, Joan Serrà, and Martín Haro. Automatic Identification of Samples in Hip Hop Music. In *Int. Symp. on Computer Music Modeling and Retrieval (CMMR)*, London, United Kingdom, 2012.

[193] Aäron Van Den Oord, Sander Dieleman, and Benjamin Schrauwen. Transfer Learning by Supervised Pre-training for

Audio-based Music Classification. *Proc. 15th International Society for Music Information Retrieval Conference*, pages 29–34, 2014.

[194] Ralf van der Ham. Cover song detection : An evaluation for old popular music (unpublished thesis), 2014.

[195] Anja Volk and W. Bas de Haas. A Corpus-Based Study on Ragtime Syncopation. *Proc. 14th International Society for Music Information Retrieval Conference*, 2013.

[196] Anja Volk, W. Bas de Haas, and Peter Van Kranenburg. Towards Modelling Variation in Music as Foundation for Similarity. In *Proc. 12th International Conference on Music Perception and Cognition*, pages 1085–1094, 2012.

[197] Anja Volk and Peter van Kranenburg. Melodic similarity among folk songs: An annotation study on similarity-based categorization in music. *Musicae Scientiae*, 0(0):1—-23, 2012.

[198] Thomas C. Walters, David A Ross, and Richard F Lyon. The Intervalgram : An Audio Feature for Large-scale Melody Recognition. In *Proc. 9th International Symposium on Computer Music Modeling and Retrieval*, pages 19–22, 2012.

[199] Avery Li-Chun Wang. An industrial strength audio search algorithm. In *Proc. 4th International Symposium on Music Information Retrieval*, 2003.

[200] Larry Wasserman. Undirected Graphical Models (Statistical Machine Learning, Lecture Notes), 2015.

[201] Frans Wiering. Balancing computational means and humanities ends in computational musicology (Utrecht University Humanities Lectures), 2012.

[202] Geraint A. Wiggins. Semantic Gap?? Schemantic Schmap!! Methodological Considerations in the Scientific Study of Music. *11th IEEE International Symposium on Multimedia*, pages 477–482, 2009.

Bibliography

[203] Geraint A. Wiggins, Daniel Müllensiefen, and Marcus T. Pearce. On the non-existence of music: Why music theory is a figment of the imagination. *Musicae Scientiae*, pages 231–255, 2010.

[204] Ian H. Witten and Darrell Conklin. Multiple viewpoint systems for music prediction. *Journal of New Music Research*, 24(1):51—73, 1995.

[205] Changsheng Xu, Namunu C. Maddage, and Mohan S. Kankanhalli. Automatic Structure Detection for Popular Music. *IEEE Multimedia*, 13, 2006.

[206] Yi-Hsuan Yang and Homer H. Chen. Machine Recognition of Music Emotion. *ACM Transactions on Intelligent Systems and Technology*, 3(3):1–30, 2012.

[207] Yi-Hsuan Yang, Yu-Ching Lin, Ya-Fan Su, and Homer H. Chen. A Regression Approach to Music Emotion Recognition. *IEEE Transactions On Audio Speech And Language Processing*, 16(2):448–457, 2008.