1. Record Nr.	UNINA9910346035703321
Autore	Dawson Michael Robert William <1959->
Titolo	Connectionist representations of tonal music : discovering musical patterns by interpreting artificial neural networks / / Michael R.W. Dawson
Pubbl/distr/stampa	Edmonton, Alberta : , : AU Press, , [2018] ©2018
ISBN	1-77199-221-2
Descrizione fisica	1 online resource (312 pages)
Disciplina	781.11
Soggetti	Music - Psychological aspects Music - Physiological aspects Music - Philosophy and aesthetics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Overture : Alien Music -- Science, Music, and Cognitivism -- Artificial Neural Networks and Music -- The Scale Tonic Perceptron -- The Scale Mode Network -- Networks for Key-Finding -- Classifying Chords with Strange Circles -- Classifying Extended Tetrachords -- Jazz Progression Networks -- Connectionist Reflections.
Sommario/riassunto	Intended to introduce readers to the use of artificial neural networks in the study of music, this volume contains numerous case studies and research findings that address problems related to identifying scales, keys, classifying musical chords, and learning jazz chord progressions. A detailed analysis of networks is provided for each case study which together demonstrate that focusing on the internal structure of trained networks could yield important contributions to the field of music cognition.