

1. Record Nr.	UNISA996418181603316
Autore	May Andrew
Titolo	The Science of Sci-Fi Music [[electronic resource] /] / by Andrew May
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-47833-5
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (156 pages)
Collana	Science and Fiction, , 2197-1188
Disciplina	786.7
Soggetti	Physics Sound Mathematics Music Hearing Electronic music - History and criticism Computer music - History and criticism Popular Science in Physics Acoustics Mathematics in Music
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Alien Sounds -- Musical Mathematics -- The Electronic Revolution -- Scientific Music -- Science Fiction and Music Culture -- Speculations on a Musical Theme.
Sommario/riassunto	The 20th century saw radical changes in the way serious music is composed and produced, including the advent of electronic instruments and novel compositional methods such as serialism and stochastic music. Unlike previous artistic revolutions, this one took its cues from the world of science. Creating electronic sounds, in the early days, required a well-equipped laboratory and an understanding of acoustic theory. Composition became increasingly "algorithmic", with many composers embracing the mathematics of set theory. The result was some of the most intellectually challenging music ever written – yet also some of the best known, thanks to its rapid assimilation into sci-fi

movies and TV shows, from the electronic scores of *Forbidden Planet* and *Dr Who* to the other-worldly sounds of *2001: A Space Odyssey*. This book takes a close look at the science behind "science fiction" music, as well as exploring the way sci-fi imagery found its way into the work of musicians like Sun Ra and David Bowie, and how music influenced the science fiction writings of Philip K. Dick and others.

---