

A LIST OF ARTICLES AND BOOKS WRITTEN BY SIEMEN TERPSTRA:

- * THE DICTIONARY OF HARMONIC FUNCTIONS FOR 12-EQUAL-TEMPERAMENT:
A new approach to pitch class, sets, functional tables, and symmetry for this tuning system.
- * THE LAW OF THE OCTAVE AND NATURAL RESONANCES:
An examination of environmental resonances as a basis for a pitch standard for musical tuning systems. Published by 1/1--THE QUARTERLY JOURNAL OF THE JUST INTONATION NETWORK; Volume 2, #2, Spring 1986, San Francisco.
- * POLYCHORD 1 AND MICROTONAL STEEL GUITAR FRETBOARDS:
A description of a "home made" experimental musical instrument along with a re-examination of problems associated with fretboard layouts. Published by EXPERIMENTAL MUSICAL INSTRUMENTS, Volume 2, #4, Nicasio, CA.
- * THE MODULAR KEYBOARD--NOVEL TUNING UTILITIES FOR MIDI-EQUIPED DIGITAL SYNTHESIZERS:
An introduction to the design approach of this Canada Council funded research project, which vastly expands the tuning capabilities of electronic keyboards. Published by INTERVAL--JOURNAL OF MUSIC RESEARCH AND DEVELOPMENT, Volume 5, #2, San Diego, CA.
- * REFLECTIONS ON AN IMPROVED NOTATION SYSTEM FOR 53-EQUAL-TEMPERAMENT AND JUST INTONATION:
A description of how a better notation derives from the practical experience of tuning stringed instruments in J.I. Published by INTERFACE--JOURNAL OF NEW MUSIC RESEARCH, VOLUME 14, #1-2, 1985, Utrecht, Netherlands.
- * THE EXTENDED MEANTONE STYLE OF GESUALDO:
A re-examination of his syntax in the light of the tuning practices of his time. A preliminary theoretical structure for Quarter-Comma Meantone and 31-E.T. is suggested along with applications in the analysis of renaissance music.
- * THE MEANTONE SERIES OF CYCLICAL TEMPERAMENTS--AN INTRODUCTION AND COMPARATIVE APPRAISAL:
A fresh approach to the description and comparative evaluation of the principal musical tuning systems, suggesting a natural syntax for each of the "big five."
- * MONOCHORD PROCEDURES:
An introduction to principal techniques and a discussion of its place in intellectual history.
- * MONOCHORD NUMBERS--THE PYTHAGOREAN PEBBLE ARITHMETIC AS AN OCTAVE-EQUIVALENT MAPPING OF THE JUST HARMONIC FIELD:
An in depth examination of the mathematics associated with the monochord and its influence on early science and philosophy.

- * MEANS AND MUSIC--THE GENERATION OF THE CONSONANT RATIOS OF MUSIC THROUGH THE APPLICATION OF MEANS:
An examination of cross-over influences between geometry and music in ancient science, focusing on Archytas, and the three central Means.
- * TUNING PRACTICA--HOW TO TUNE STRINGS INTO JUST INTERVALS (SIMPLE RATIOS) THROUGH THE USE OF STRING HARMONICS:
A hands-on practical treatise on Just Intonation tuning, as well as an introduction to problems associated with temperament.
- * BABYLONIAN SOURCES IN VEDIC MUSICAL PHILOSOPHY:
A new interpretation of the NATYASASTRA (the SRUTI system) of ancient India showing links with a much older system which ultimately originated in Sumer.
- * PYTHAGOREAN RESONANCES IN ANCIENT CHINESE MUSICAL PHILOSOPHY:
Relations between the ancient Chinese system and the ancient near Eastern approach which probably originated in Sumer.
- * THE MAXIMUM RESOLUTION--612-EQUAL-TEMPERAMENT:
An examination of the Schisma scale as the ultimate resolution of Just Intonation.
- * A THEORY OF JUST INTONATION HARMONY:
A practical guide for composition in Just Intonation and 53-E.T. with contrasts to tempered systems.
- * A Theory of Meantone (and 31-E.T.) Harmony.
- * Studies in the Transition of Medieval to Renaissance tuning paradigms.
- * Monochord numbers in the Platonic Philosophical traditions.
- * The Matrix Model of Musical Harmony
- * Notes on Composition in 31-E.T. and other multiple Divisions
- * Commentaries on the fragments of Heraclitus.
- * Commentaries on the fragments of Empedocles.
- * Commentaries on Philolaus, Archytas, and the Pythagorean School.

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