Liana Alexandra

Roumania, Bucarest

VISUAL MODULATION OF A MUSICAL STRUCTURAL MOTIVE

About the artist

Liana Alexandra Composer Born: May 27, 1947, Bucharest, Romania Married to Serban Nichifor, composer: http://www.free-scores.com/partitions_gratuites_serbannichifor.htm
Studies
1965-1971 - "Ciprian Porumbescu" University of Music, Bucharest, Composition Department. Awarded the special scholarship "George Enescu"
1974, 1978, 1980, 1984 - international courses of composition at Darmstadt, West Germany
1983 - an USIA stipendium in USA
PhD in Musicology
AT PRESENT: Master in music; Professor at the National University of Music of Bucharest, (teaching composition, orchestration and musical analyses), Member of Duo Intermedia and co-director of the NUOVA MUSICA CONSONANTE-LIVING MUSIC FOUNDATION INC.(U.S.A) Festival, with Serban Nichifor
Selected Works
Symphonic, vocal-symphonic and concert music, music for opera
Symphony I (1971)
Cantata for women's choir and... (more online)

Qualification:	PROFESSOR DOCTOR IN COMPOSITION AND MUSICOLOGY
Associate:	GEMA - IPI code of the artist : I-000402252-8
Artist page :	https://www.free-scores.com/Download-PDF-Sheet-Music-lianaalexandra.htm

About the piece

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Title:	VISUAL MODULATION OF A MUSICAL STRUCTURAL MOTIVE
Composer:	Alexandra, Liana
Copyright:	Copyright (c) Liana Alexandra
Publisher:	Alexandra, Liana
Instrumentation:	Music theory
Style:	Contemporary

Liana Alexandra on free-scores.com

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Visual Modulation of a Musical Structural Motive

Prof. Dr. LIANA ALEXANDRA

I will present two different visual hypostases in this study, of a musical structural motive based on two distinct coordinates, one of which is expressed by means of a horizontal line covering an ostinato over five, always present in different asymmetric rhythms, while the other consists of several melodic patterns that overlap heterophonically, having one minimal density and one maximal density (climactic point).

If represented graphically, the motive would have the following vault configuration (arch sound):
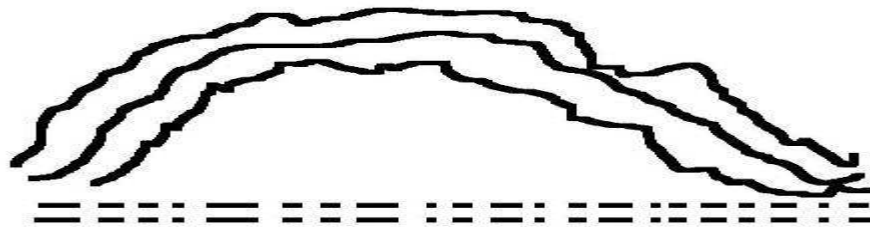
This motive is cut out of the cycle of *12 Variations* for computer music, produced with the software of Mozart the Music Processor (Great Britain).

The presentation of the motive written with in the musical score looks like this:

Example:

The transcription with Music Animation Machine, a program of musical visualization conceived by Stephen Malinowski (USA), using all visualization variants offered by the respective software, generated several highly suggestive images.
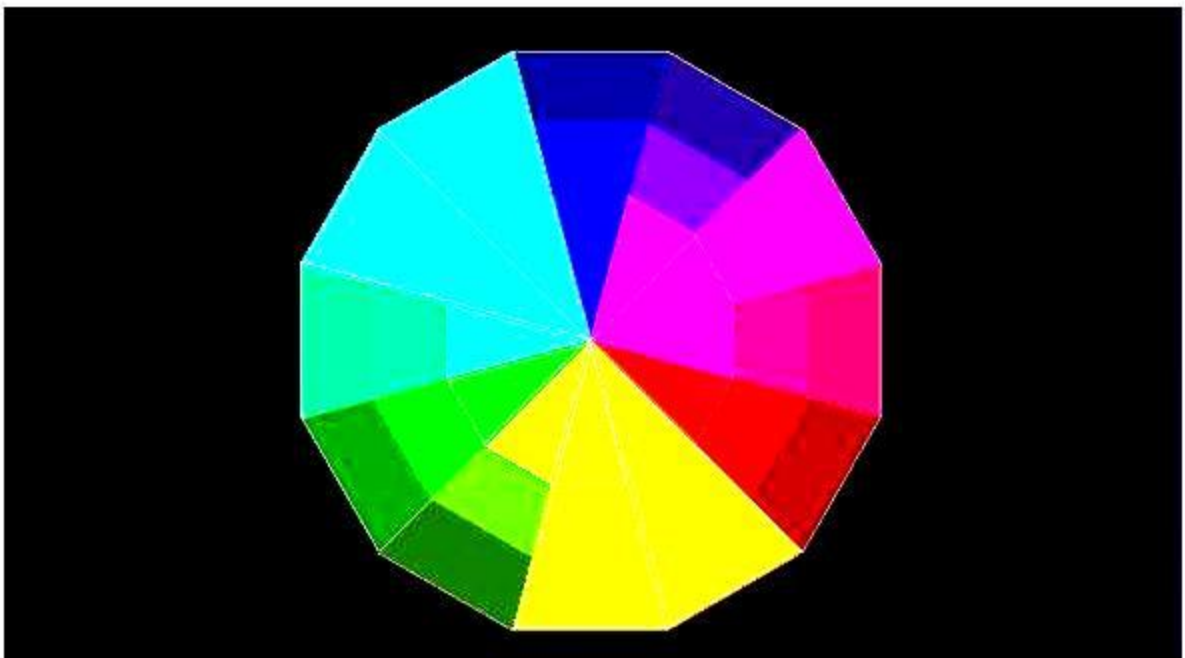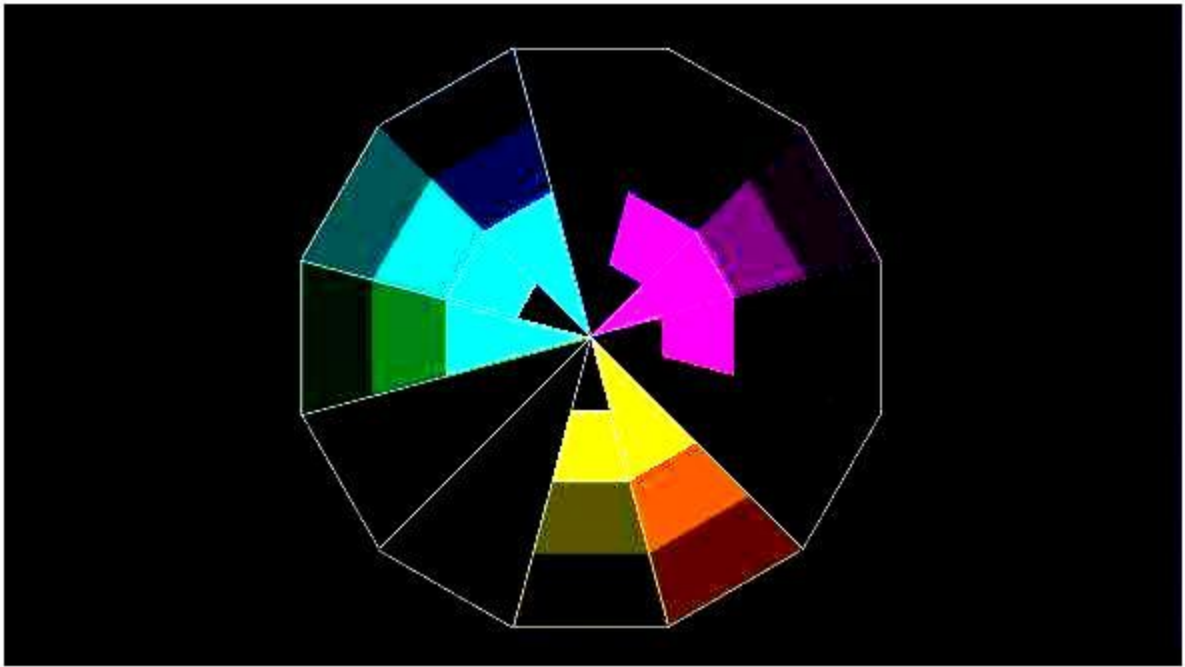
I will present further just two of the hypostases of the visual-musical dynamics for each variant: the image suggesting the minimal density and the one for maximal density. Still images out of this music video were presented at the SIGGRAPH Exhibition organized in the USA.
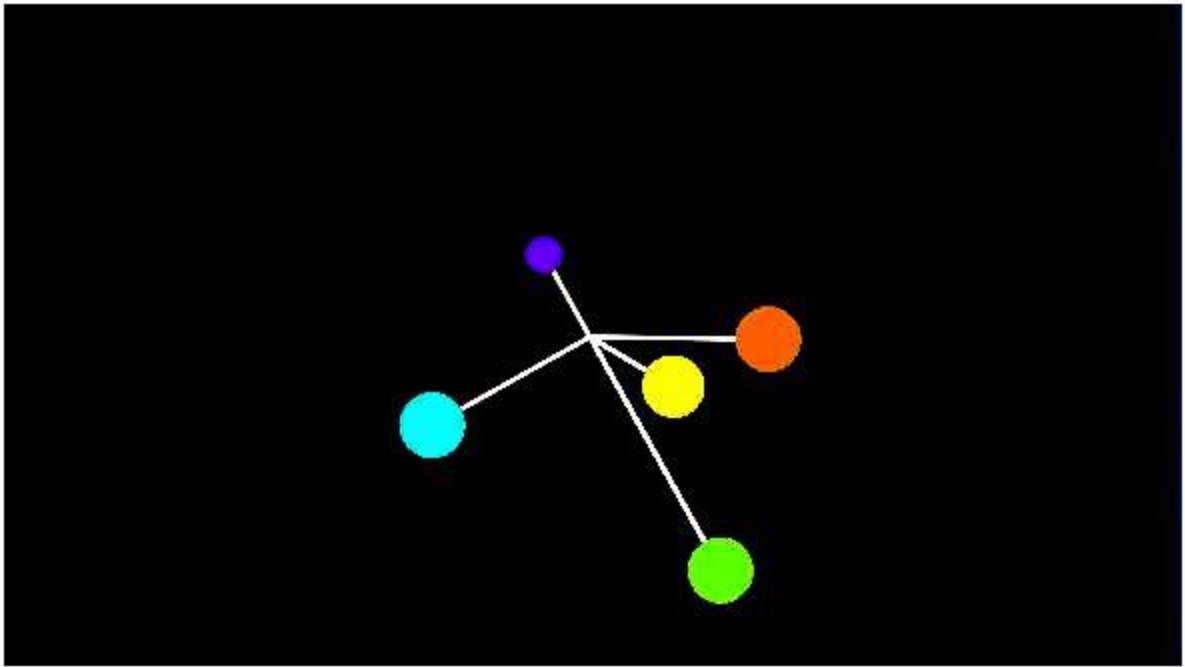
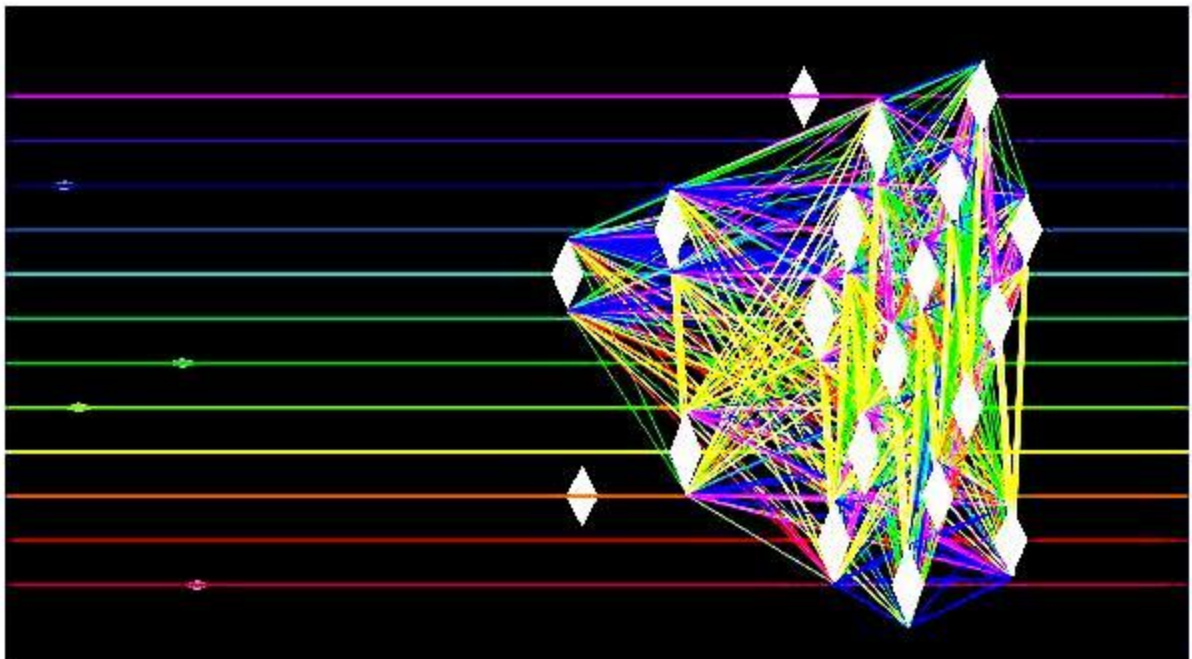Visual examples of the Music Animation Machine program:
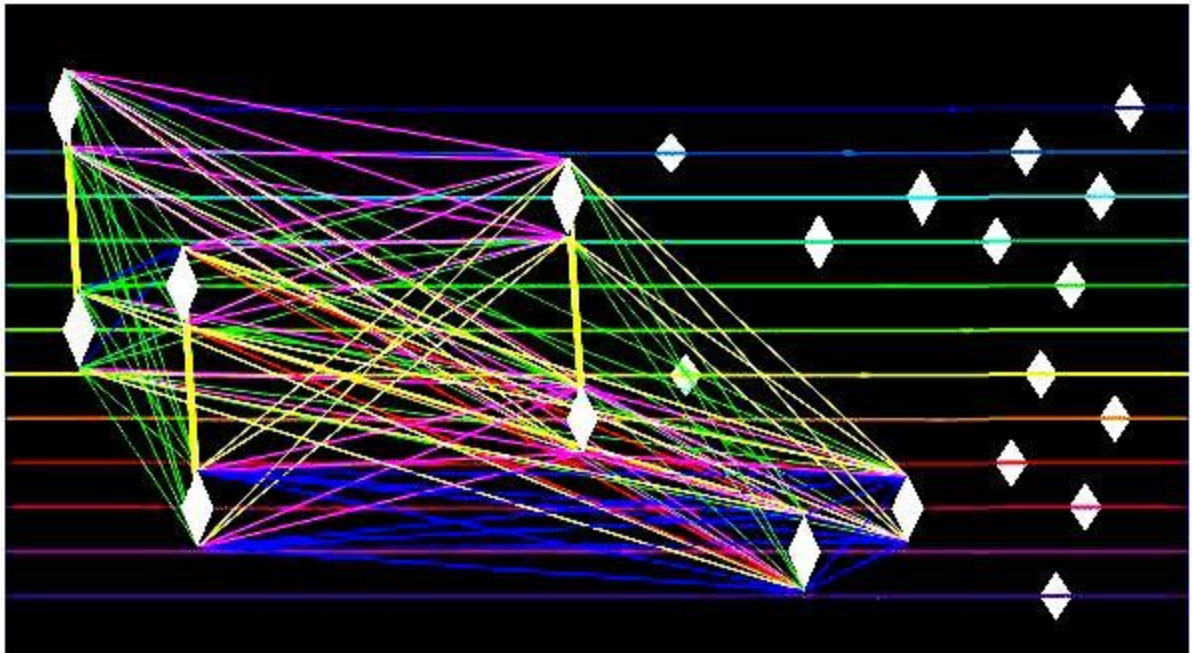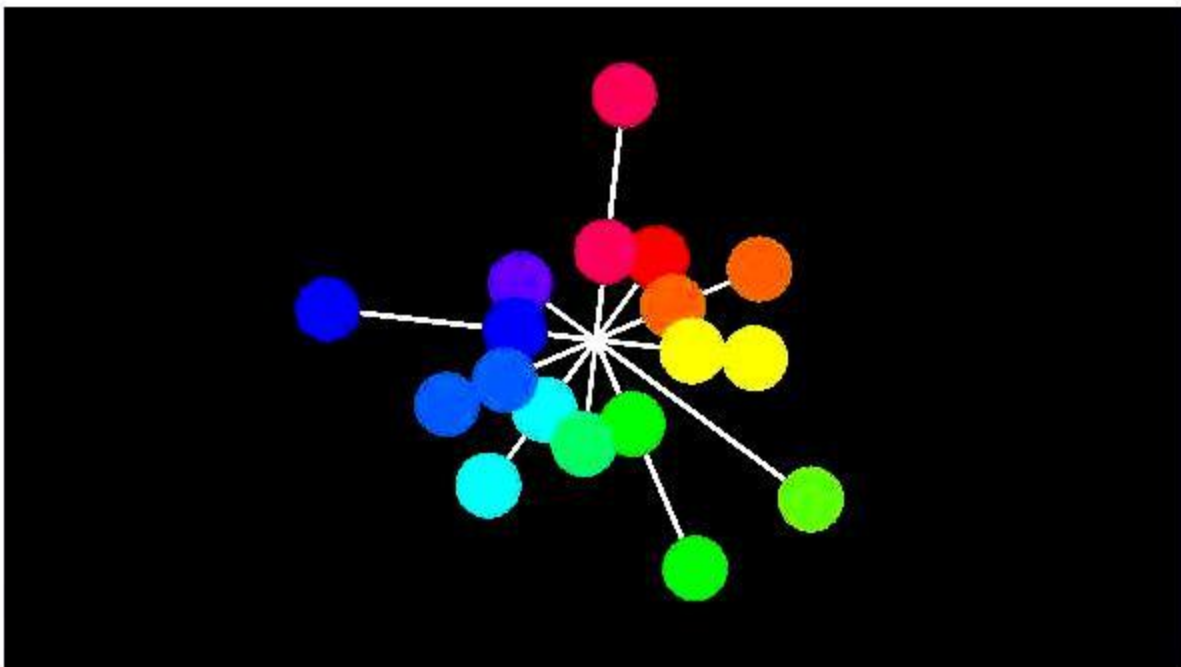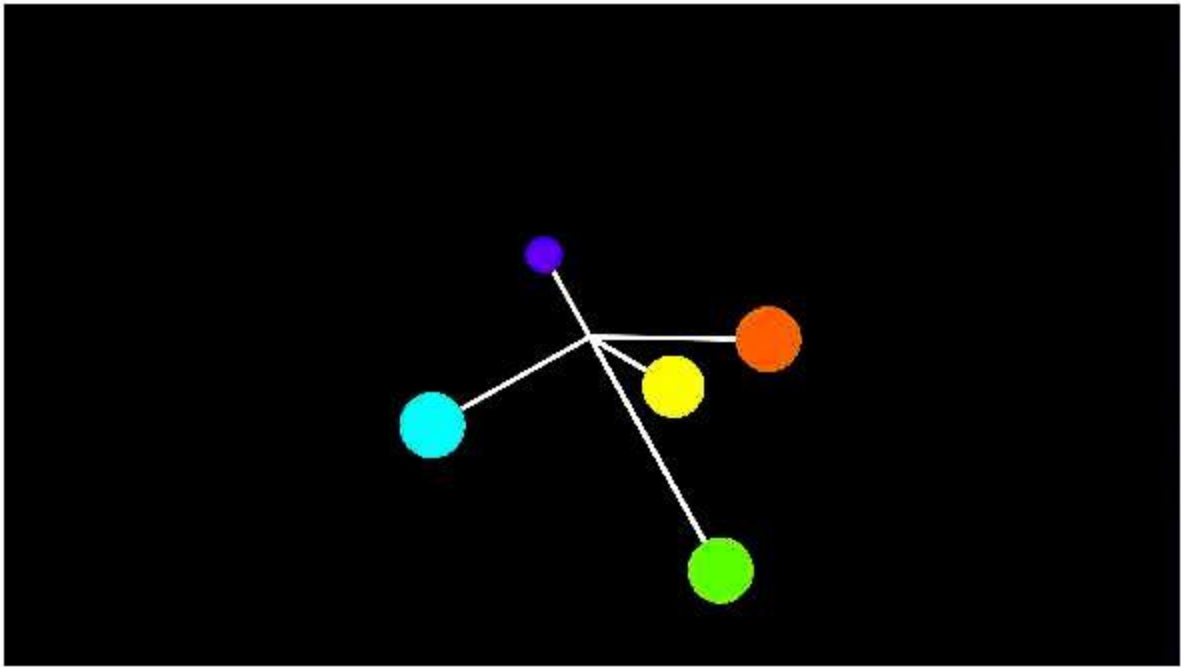
1)piano rol
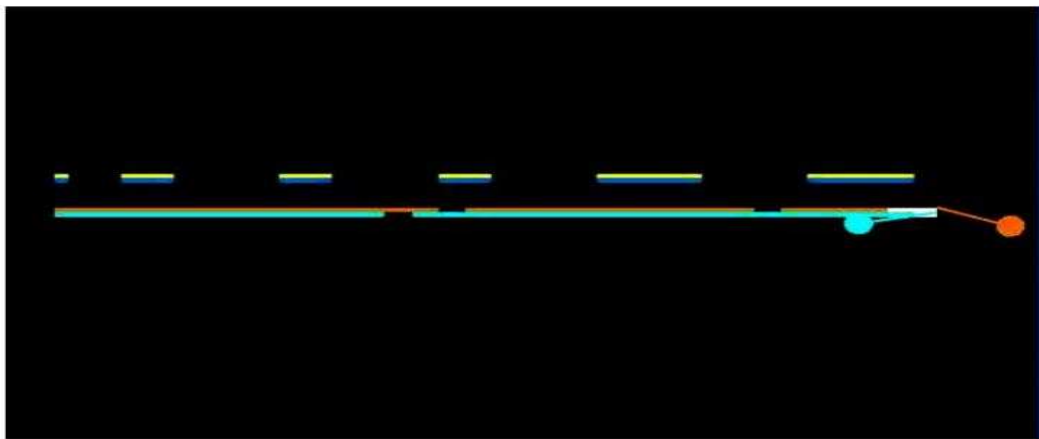
2) pitch class

3) intervals
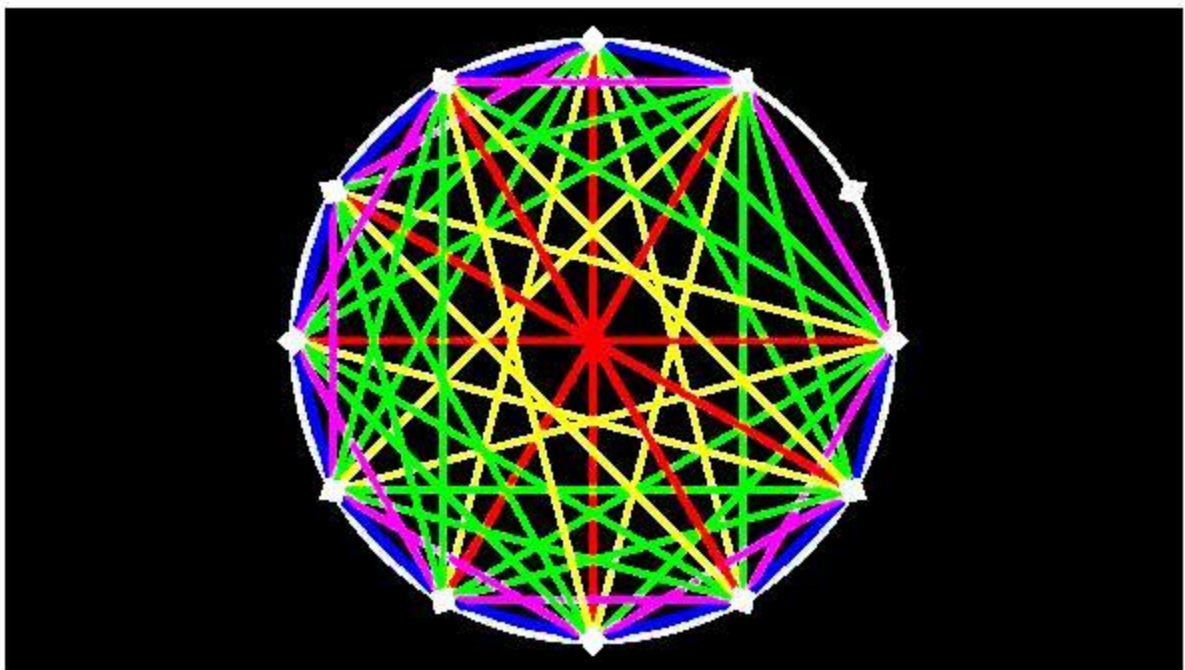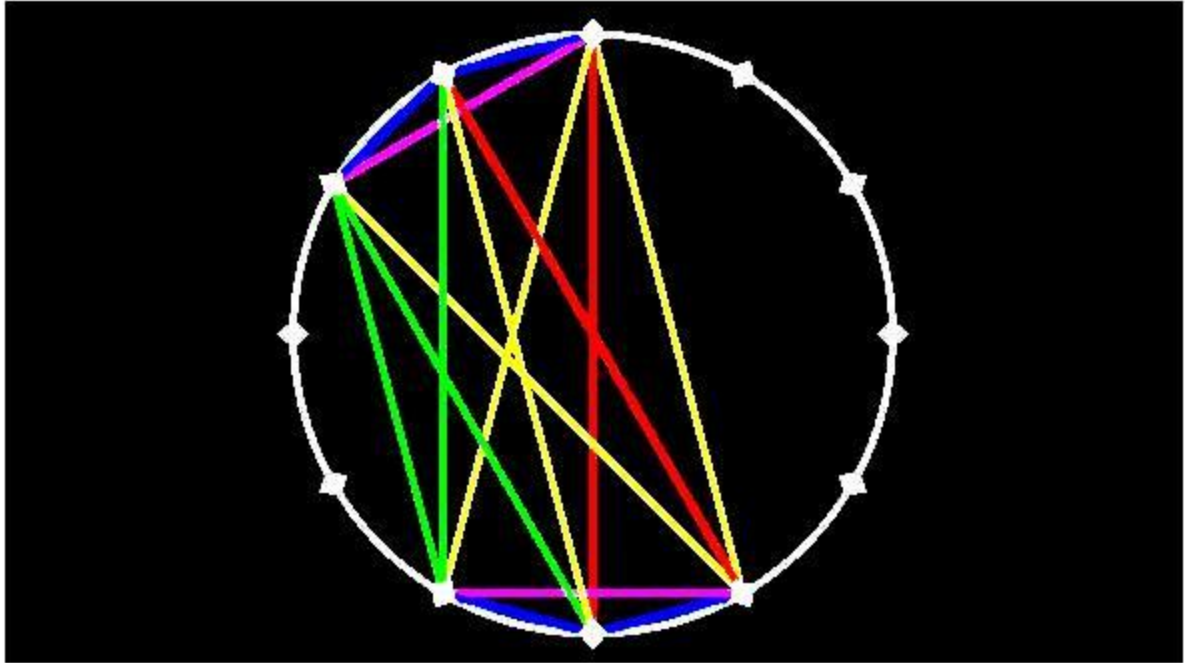
4) shapes
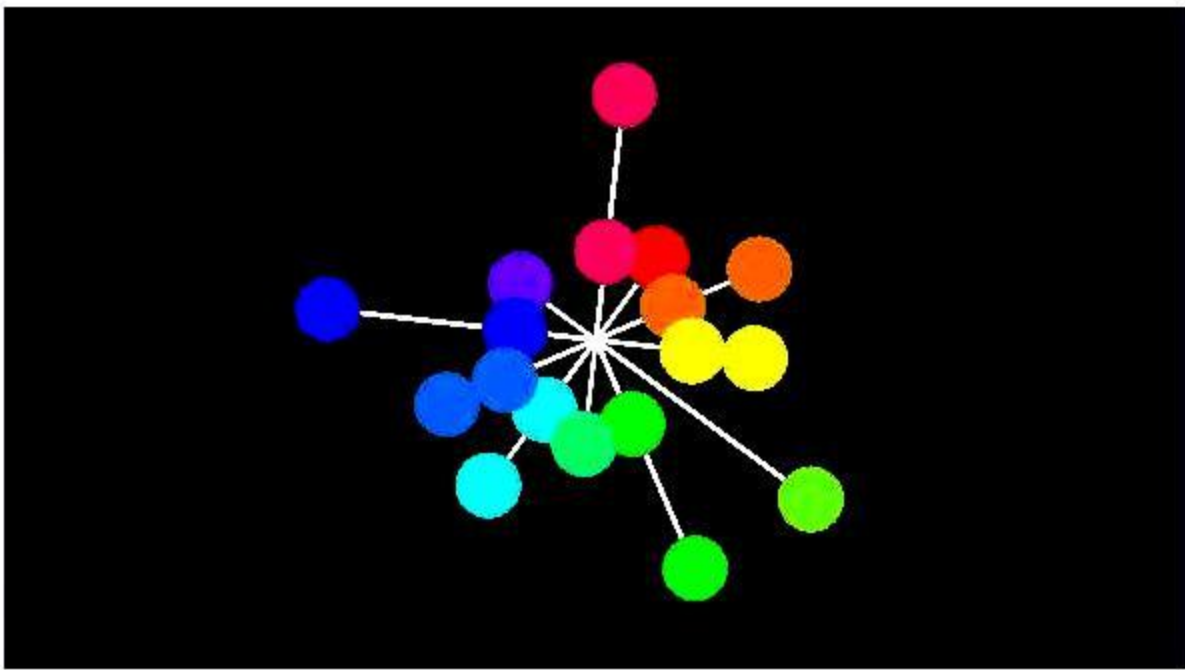
5) tonality staff

6) tonality compass

7) triads