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I hereby recommend that the thesis prepared under my supervision by James Hirt
entitled "Musica Universalis"

be accepted as fulfilling this part of the requirements for the degree of Doctor of Musical Arts in Composition

Approved by:

Jonathan D. Kramer
Allen Sapp
Carl Johnson

MUSICA

UNIVERSALIS

For:

2 Flutes in C
1 Flute in G (Alto)
1 Clarinet in B \flat
1 Bassoon
2 Vibraphones
1 Orch. Bells
2 Marimbas
1 Xylophone
Piano
Celesta
2 Violas
2 Celli
1 Double Bass

Hyper-concerto

By

James Hirt

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Slow (66 = ♩)

This is a handwritten musical score for an orchestra, consisting of 11 staves. The tempo is marked 'Slow (66 = ♩)'. The instruments are: Violin I (Fl. 1), Violin II (Fl. 2), Clarinet in Bb (Cl. in Bb), Bassoon (Bssn.), Violin (Vla.), Cello (Cello), and Double Bass (D. Bass). The score includes various dynamics such as ppp, p, mp, f, and ff. There are also performance instructions like 'Flutter', 'Trill', 'Sub.', 'Grand Accel.', and 'non cresc.'. The notation includes notes, rests, and articulation marks. A double bar line is present between the Cello and Violin staves, with the number '14' written above it.

Grand RIT. (16=1)

Handwritten musical score for various instruments. The score is organized into staves for the following instruments: Fl. 1, Fl. 2, Fl. 3 (Hilo), Cl. in Bb, Bssn., Xyl., Mar., Celeste, Piano, Vla., Cello, and D. Bass. The score includes dynamic markings such as *pp*, *mf*, *f*, *mp*, and *ppp*. Performance instructions include *Sub.*, *Vib.*, *non cresc.*, and *f*. The score is marked with *Grand RIT.* and *(16=1)*. The score is written in a system with multiple staves per instrument, showing complex rhythmic patterns and melodic lines.

43

fl. 1
fl. 2
fl. 3

Cl. in Bb
Bsn.

Vib.
Vib.

Celesta
Piano

Vla.
Cello
D. Bass

68

f1. 1
f1. 2
f1. 3 (Alto)
Cl. in Bb
Bssn.

Vib.
Vib.
Celesta
Piano

Vla.
Cello
D. Bass

Fl. 1
Fl. 2
Fl. 3 (Alto)

Clim. B♭
Bssn.
Vib.
Mar.
Celesta
Piano

Vla.
Cello
D. Bass

79

Handwritten musical score for a symphony orchestra. The score is arranged in systems for various instruments. The instruments listed on the left are: Fl. 1, Fl. 2, Fl. 3 (Ato), Cl. in Bb, Bsn., Vib., Mar., Piano, Vla., Cello, and D. Bass.

The score includes various musical notations such as notes, rests, slurs, and dynamic markings (pp, p, mp, mf, f). It also features performance instructions like "Ped.", "Tasto", "a1. Tasto", "a1. sul G", and "norm. b. d.". Fingerings and breathings are indicated with numbers and symbols like "H", "N", and "b".

The score is written in a single system across multiple staves. The Flute parts (Fl. 1, 2, 3) are in the top system. The Clarinet (Cl. in Bb) and Bassoon (Bsn.) parts are in the second system. The Vibraphone (Vib.) and Maracas (Mar.) parts are in the third system. The Piano part is in the fourth system. The Viola (Vla.), Cello, and Double Bass (D. Bass) parts are in the fifth system.

The score concludes with a page number "79" in the top left corner and a page number "-8-" in the bottom right corner.

fl. 1
fl. 2
fl. 3 (Alto)
Cln B♭
Bsn.
Vib.
Mar.
Piano
Vla.
'Cello
D. Bass

The musical score for page 89 is a complex orchestral arrangement. It features woodwind parts for Flute 1, Flute 2, Flute 3 (Alto), Clarinet B-flat, Bassoon, and Maracas. The string section includes Viola, Cello, and Double Bass. A piano part is also present. The score is marked with various dynamics such as *mf*, *cresc.*, *p*, *mp*, *f*, *fff*, and *arco*. There are also performance instructions like *Ped.* and *ag.* (accelerando). The notation includes many slurs, ties, and accents, indicating a highly technical and expressive piece.

Subito
Slower
(9=1)

94

Fl. 1

Fl. 2

Fl. 3
(Alto)

Cl. in Bb

Bsbn.

Vib.

Mar.

Piano

Vla.

Cello

D. Bass

Musical score for Flutes 1, 2, and 3. The score is written in treble clef with a key signature of one sharp (F#). It features complex rhythmic patterns with many triplets and sixteenth notes. Dynamics include *f*, *mf*, and *mp*. Performance markings include *Sub p* and *Sub.* with accents. The tempo marking at the top indicates a change to *Slower* (9=1).

Musical score for Clarinet in Bb, Bassoon, and Vibraphone. The Clarinet and Bassoon parts are in treble clef, while the Vibraphone part is in bass clef. The Clarinet and Bassoon parts feature triplets and sixteenth notes. The Vibraphone part has a steady eighth-note accompaniment. Dynamics include *f*, *mp*, and *ff*. Performance markings include *Sub.*, *Sub. (Real)*, and *O.B.*

Musical score for Piano, Viola, Cello, and Double Bass. The Piano part is in treble clef, while Viola, Cello, and Double Bass are in bass clef. The Piano part features complex rhythmic patterns with triplets and sixteenth notes. The Viola, Cello, and Double Bass parts have a steady eighth-note accompaniment. Dynamics include *f*, *mp*, and *ff*. Performance markings include *Sub.*, *Sub. (Real)*, and *O.B.*

99
(Sub)Slower
69=J

fl. 1
fl. 2
fl. 3 (Alto)

Cl. in Bb
Bssn.

Vib.
Mar.

Piano

Vla.
Cello
D. Bass

Fl. 1 (Hf) *f*

Fl. 2 *mf*

Fl. 3 (Alto) *mf*

Cl. in Bb *mf*

Bssn. *mf*

Xyl. *f*

Mar. *f*

Piano *mf*

Vla. *mf*

Cello *mf*

D. Bass *f*

Dynamic markings: *p*, *mp*, *mf*, *f*, *pp*, *tr.*, *tr. w/acc.*, *3*, *5*, *6*, *7*, *8*, *9*, *10*, *11*, *12*, *13*, *14*, *15*, *16*, *17*, *18*, *19*, *20*, *21*, *22*, *23*, *24*, *25*, *26*, *27*, *28*, *29*, *30*, *31*, *32*, *33*, *34*, *35*, *36*, *37*, *38*, *39*, *40*, *41*, *42*, *43*, *44*, *45*, *46*, *47*, *48*, *49*, *50*, *51*, *52*, *53*, *54*, *55*, *56*, *57*, *58*, *59*, *60*, *61*, *62*, *63*, *64*, *65*, *66*, *67*, *68*, *69*, *70*, *71*, *72*, *73*, *74*, *75*, *76*, *77*, *78*, *79*, *80*, *81*, *82*, *83*, *84*, *85*, *86*, *87*, *88*, *89*, *90*, *91*, *92*, *93*, *94*, *95*, *96*, *97*, *98*, *99*, *100*.

115
f1.1

Accel. (70)

----- (88=J)

The musical score is arranged in a system with ten staves. The instruments and their parts are as follows:

- f1.1** (Flute 1): Treble clef, starting with a triplet of eighth notes, dynamic *p*.
- f1.2** (Flute 2): Treble clef, playing a melodic line with dynamics *p* and *mf*.
- f1.3 (Alto)**: Treble clef, playing a melodic line with dynamics *p* and *mf*.
- Cl in Bb** (Clarinet in B-flat): Treble clef, playing a melodic line with dynamics *p* and *mf*.
- Bssn.** (Bassoon): Bass clef, playing a melodic line with dynamic *p*.
- Xyl.** (Xylophone): Treble clef, playing a melodic line with dynamic *pp*.
- Vib.** (Vibraphone): Treble clef, playing a melodic line with dynamic *p*.
- Piano**: Treble clef, playing a complex accompaniment with dynamics *mf* (No ped.), *pp*, and *mp*.
- Vla.** (Viola): Bass clef, playing a melodic line with dynamic *p*.
- Cello**: Bass clef, playing a melodic line with dynamics *mf* and *mp*.
- D. Bass** (Double Bass): Bass clef, playing a melodic line with dynamics *f* and *mp*.

The score includes various musical notations such as triplets, slurs, and dynamic markings. The tempo is marked as *Accel.* with a metronome marking of (70) and a target tempo of $(88=J)$.

120

fl. 1

fl. 2

fl. 3

Cl. in Bb

Bsn.

Xyl.

Vib.

Piano

Vla.

Cello

D. Bass

Musical score for measures 120-129. The score includes parts for Flute 1, Flute 2, Flute 3, Clarinet in Bb, Bassoon, Xylophone, Vibraphone, Piano, Viola, Cello, and Double Bass. The music is in 3/4 time and features complex rhythmic patterns, including triplets and sixteenth-note runs. Dynamics range from *pp* to *mf*. Performance instructions include *legato*, *Morzato*, and *Vib.*. The piano part includes *8va* markings and *Ped.* (pedal) instructions. The score is written on a grand staff with various clefs and key signatures.

* Piano 8va Through P.20

12.5

fl. 1

fl. 2

fl. 3
(Alto)

Clin Bb

Bssn.

Vib.

Vib.

Piano

Vla.

Cello

D. Bass

Musical score for measures 12.5 to 17. The score is arranged in a system with 12 staves. The instruments are: Flute 1, Flute 2, Flute 3 (Alto), Clarinet Bb, Bassoon, Vibraphone (top), Vibraphone (bottom), Piano, Viola, Cello, and Double Bass. The music features complex rhythmic patterns, including triplets and sixteenth notes. Dynamics range from *mf* to *ff*. Performance instructions include *Marcato*, *mp ped.*, and ** Ped.*. The bottom staff (D. Bass) has a measure number '17' at the end.

136

Fl. 1

Fl. 2

Fl. 3 (Alto)

Cl. in Bb

Bsn.

Vib.

Vib.

Piano

Vla.

Cello

D. Bass

Jete

Jete

Jete

141

(Sub)S lower
(56=J)

The score consists of ten staves, each representing a different instrument. The notation is dense with rhythmic markings, including triplets and sixteenth notes. Dynamic markings like 'marcato', 'pp', and 'p' are used throughout. Some staves have specific performance instructions like 'Tasto' and 'Cantando'. The overall style is that of a detailed handwritten musical manuscript.

Fl. 1

Fl. 2

Fl. 3
(Alto)

Cl. in Bb

B. S. M.

Vib.

Vib.

Piano

Viola

Cello

D. Bass

147

Cl. in B♭

Vla.

Cello

D. Bass

155

Faster
67 = ♩

Fl. 1

Fl. 3 (Alto)

Cl. in B♭

O. Bells

Celesta

Piano

Celesta

163

Vla.

Cello

D. Bass

Senza Sord.

Norm.

mp

Cont.

mp

Norm.

mp

161

Fl. 1

Fl. 3 (Alto)

Cl. in Bb

O. Bells

Celesta

Vla.

Cello

D. Bass

Musical score for measures 161-165. The score includes parts for Flute 1, Flute 3 (Alto), Clarinet in Bb, O. Bells, Celesta, Viola, Cello, and Double Bass. Dynamics range from *pp* to *mf*. The Celesta part includes a *Piano* section and a *Ped.* (pedal) marking. The Viola part includes a *(cont.)* marking. The Cello part includes a *ppp* marking. The Double Bass part includes a *mf* marking. The score is written in a common time signature and features various musical notations including slurs, ties, and articulation marks.

Handwritten musical score for orchestra, measures 172-177. The score includes parts for Flutes 1, 2, and 3 (Alto), Clarinet in Bb, Vibraphone, Celesta, and Viola. Dynamics range from piano (p) to fortissimo (f). The score is written in a system with multiple staves. The key signature has one flat (Bb) and the time signature is 3/4. The score includes various musical notations such as slurs, ties, and dynamic markings.

172

f1. 1

f1. 2

f1. 3
(Alto)

Cl. in Bb

Vib.

Celesta

Vla.

180

fl. 1 *p* *mf*

fl. 2 *p* *mf*

fl. 3 (Alto) *mp* *p* *mf*

Cl. in Bb *mp* *pp*

Vib. *pp* *Xyl.*

Celesta *mp* *pp* ** Ped.*

Piano *mp* *pp* ** Ped.*

Vla. *mp* *pp*

188

Subito
Faster
(136 = ♩)

Fl. 1

Fl. 2

Fl. 3
(Alto)

Climb.

Bsn.

Xyl.

Mar.

Celesta

Piano

Vla.

Cello

Musical score for orchestra and woodwinds, measures 188-200. The score includes parts for Flute 1, 2, and 3 (Alto), Clarinet, Bassoon, Xylophone, Maracas, Celesta, Piano, Viola, and Cello. The tempo is marked "Subito Faster (136 = ♩)". Dynamics range from piano (p) to fortissimo (mf). Performance instructions include "No Ped.", "Ped.", and "Vib. H.". The woodwinds play a melodic line with triplets and slurs. The strings play a rhythmic accompaniment with triplets and slurs.

495

Fl. 2

Fl. 3
(Alto)

Cl. in Bb

Bsn.

Xyl.

Vib.

Piano

Vla.

Cello

D. Bass

Musical score for measures 495-500. The score is written for a woodwind section (Flute 2, Flute 3, Clarinet in Bb, Bassoon, Xylophone, Vibraphone), Piano, Viola, Cello, and Double Bass. The key signature is one sharp (F#) and the time signature is 4/4. The score includes various musical notations such as dynamics (mf, (mf), (f), (p)), articulation (accents, slurs), and performance instructions like 'no ped.' and 'Tete'. The woodwinds play melodic lines with some triplets and slurs. The strings provide harmonic support with sustained notes and some rhythmic patterns. The piano part features a melodic line with slurs and dynamics.

201

Fl. 1

Fl. 2

Fl. 3
(Alto)

Clin. B♭

Bsbn.

Xyl.

Vib.

Vla.

Cello

D. Bass

Fl. 1
 Fl. 2
 Fl. 3 (Alto)
 Cl. in Bb
 Bsn.
 Xyl.
 Vib.
 Piano
 Vla.
 Cello
 D. Bass

The score is written for measures 207, 208, and 209. The instruments listed are Flute 1, Flute 2, Flute 3 (Alto), Clarinet in Bb, Bassoon, Xylophone, Vibraphone, Piano, Viola, Cello, and Double Bass. The music is characterized by intricate rhythmic patterns, including frequent triplets and sixteenth-note passages. Dynamic markings include piano (p), mezzo-forte (mf), and forte (f). A 'Sub.' (Sustentando) marking is used in several places, indicating a change in articulation. The Piano part includes markings for 'tracato' and '(no ped.)'. The Double Bass part has a 'Sub.' marking at the end of the page.

213

Fl. 1

Fl. 2

Fl. 3

Clin. Bb

Bsbn.

Xyl.

Vib.

Pianno

Vla.

Cello

Musical score for measures 213-218. The score is written for a woodwind section (Flutes 1, 2, and 3; Clarinet in Bb; Bassoon; Xylophone; Vibraphone) and a string section (Violins, Violas, Cellos). The piano part is also included. The key signature has one flat (Bb). The score contains various musical notations including dynamics (f, p, *Marcato*), articulation (accents), and fingerings (3, 5). The woodwinds play complex rhythmic patterns with triplets and sixteenth notes. The strings provide a steady accompaniment with some melodic lines. The piano part features a prominent bass line with triplets and sixteenth notes.

The musical score is arranged in a system with the following staves from top to bottom:

- Fl. 1**: Flute 1 part, starting with a *Marcato* marking.
- Fl. 2**: Flute 2 part, also starting with a *Marcato* marking.
- Fl. 3 (Alto)**: Flute 3 part, marked *Marcato*.
- Cl. in Bb**: Clarinet in B-flat part.
- Bssn.**: Bassoon part.
- Xyl.**: Xylophone part.
- Vib.**: Vibraphone part.
- Piano**: Piano accompaniment, indicated by a brace.
- Vla.**: Viola part.
- Cello**: Cello part.

The score contains various musical notations including slurs, triplets, and dynamic markings such as *(f)* and *ff*. The key signature is one flat (B-flat major or D minor).

218

223

fl. 1

fl. 2

fl. 3
(Alto)

Cl. in Bb

Bsn.

Xyl.

vib.

Piano

Vla.

Cello

Handwritten musical score for a woodwind and string ensemble, measures 223-232. The score includes parts for Flute 1, 2, and 3 (Alto), Clarinet in Bb, Bassoon, Xylophone, Vibraphone, Piano, Viola, and Cello. The music features complex rhythmic patterns, triplets, and dynamic markings such as *ff*, *p*, *mp*, and *mf*. The key signature has one flat (Bb) and the time signature is 3/4. The score is written on ten staves with various musical notations including slurs, ties, and articulation marks.

235

Fl. 1

Fl. 2

Fl. 3 (Alto)

Cl. in B \flat

Bssn.

Marimba (Marcato)

Xyl.

Vib.

Piano

Viola

Cello

D. Bass

241

Fl. 1
Fl. 2
Fl. 3 (Alto)
Cl. in Bb
Bsn.
Mar.
Vib.
Piano
Vla.
Cello
D. Bass

Musical score for orchestra and strings, measures 241-250. The score is written for Flute 1, Flute 2, Flute 3 (Alto), Clarinet in Bb, Bassoon, Maracas, Vibraphone, Piano, Viola, Cello, and Double Bass. The music features complex rhythmic patterns, including triplets and sixteenth notes, and dynamic markings such as *Marcato* and *Piano*. The key signature has one flat (Bb) and the time signature is 4/4. The score is arranged in a standard orchestral layout with woodwinds and strings on the left and percussion on the right.

246

Fl. 1 *rit. ... (rit.)* *fff* *Sempre*

Fl. 2 *fff* *Sempre*

Fl. 3 (Alto) *fff* *Sempre*

Cl. in Bb *fff* *Sempre*

Bassoon *fff* *Sempre*

Mar. *Vib.* *fff* *No Ped.*

Vib. *Vib.* *fff* *No Ped.*

Piano *fff* *Sempre*

Vla. *fff* *Sempre*

Cello *fff* *Sempre*

D. Bass *fff* *Sempre*

252

Pu.
Rit. *To*

fl. 1 (fff) (100=)

fl. 2 (fff)

fl. 3 (Alto) (fff)

Cl. in Bb (fff)

Bsn. (fff)

Vib. O. Bells (fff) Ped. *

Vib. (fff) Ped. *

Piano (fff) Ped. *

Viola (fff) Ped. *

Cello (fff)

D. Bass (fff)

283

fl. 3
(Alto)

Musical score for Flute 3 (Alto) in measure 283. The staff shows a melodic line with various articulations and dynamics. Dynamics include *mp*, *mf*, and *f*. Fingerings are indicated with numbers 1-5. A slur covers a sequence of notes.

Bssn.

Musical score for Bassoon in measure 283. The staff shows a melodic line with dynamics *ppp* and *pp*. A slur covers a sequence of notes.

Vla.

Musical score for Viola in measure 283. The staff shows a melodic line with dynamics *pp*, *mf*, and *p*. Fingerings are indicated with numbers 1-5. A slur covers a sequence of notes.

Cello

Musical score for Cello in measure 283. The staff shows a melodic line with dynamics *pp* and *pp*. A slur covers a sequence of notes.

288

fl. 1

Musical score for Flute 1 in measure 288. The staff shows a melodic line with dynamics *mf*, *f*, and *f*. Fingerings are indicated with numbers 1-3. A slur covers a sequence of notes.

fl. 3
(Alto)

Musical score for Flute 3 (Alto) in measure 288. The staff shows a melodic line with dynamics *mf*, *mp*, and *f*. Fingerings are indicated with numbers 1-3. A slur covers a sequence of notes.

Cl. in Bb

Musical score for Clarinet in Bb in measure 288. The staff shows a melodic line with dynamics *pp* and *mp*. A slur covers a sequence of notes.

Vla.

Musical score for Viola in measure 288. The staff shows a melodic line with dynamics *mf*, *mp*, and *f*. Fingerings are indicated with numbers 1-5. A slur covers a sequence of notes.

Cello

Musical score for Cello in measure 288. The staff shows a melodic line with dynamics *mp* and *mp*. A slur covers a sequence of notes.

D. Bass

Musical score for Double Bass in measure 288. The staff shows a melodic line with dynamics *mp* and *mp*. A slur covers a sequence of notes.

298

fl. 1 *p* *mp* *p* *mp*

fl. 2 *p* *mp* *p* *mp*

fl. 3 *p* *mp* *p* *mp*

Cl. in Bb *p* *mp* *p* *mp*

Vib. (2 soft Mallets) *p* *mp* *p* *mp*

Mar. *p* *mp* *p* *mp*

Piano *p* *mp* *p* *mp*

Viola. *p* *mp* *p* *mp*

Cello *p* *mp* *p* *mp*

D. Bass *p* *mp* *p* *mp*

304

Fl. 1
Fl. 2
Fl. 3 (Alto)

Cl. in Bb

Vib.

Mar.

Piano

Vla.

Cello

D. Bass

Pul

Rit.

Handwritten musical score for a string quartet, measures 316-322. The score includes parts for Violin I, Violin II, Clarinet, Viola, Cello, and Double Bass. It features complex rhythmic patterns, triplets, and dynamic markings such as p, mp, mf, and pp. Performance instructions like 'Pul' and 'Rit.' are present at the top. The score is written in a cursive, handwritten style.

316

Fl. 1

Fl. 2

Cl. in Bb

Vla.

Cello

D. Bass

322

Fl. 1

Cl. in Bb

Bs. in Bb

Vla.

Cello

D. Bass

328

Piu Accel. (16=♩)

fl.1
fl.2
Bssn.
Via.
Cello
D.Bass

334

fl.1
fl.2
fl.3 (Alto)
Climb
Vib. (Perc.)
Vla.
Cello
D.Bass

2 hard mallets
mp Ped.
Pont. #p

339

expressively

fl. 1

fl. 2

fl. 3
(Alto)

Cl. in Bb

Vib.
(Perc. II)

Celesta

Vla.

Cello

D. Bass

Musical score for measures 339-348. The score is written for woodwinds, strings, and percussion. The woodwind parts (flutes 1, 2, and 3, clarinet in Bb, and vibraphone) feature melodic lines with various dynamics (p, mp, pp) and articulation. The string parts (viola, cello, and double bass) provide harmonic support with sustained notes and some rhythmic patterns. The percussion part includes a celesta and a vibraphone. The score is marked with dynamics such as *mp*, *p*, *pp*, and *pp Ped.*. There are also performance instructions like *expressively* and *(norm.)*. The score is divided into systems, with some parts overlapping across systems. The bottom of the page shows empty staves for rehearsal marks.

345

Holding back-----

fl. 1
fl. 2
fl. 3 (Alto)
Cl. in Bb
Vib.
Celesta
Vla.
Cello
D. Bass

351

a tempo (16-1)

fl. 1

fl. 2

fl. 3
(Alto)

Vib.

Celesta

Vla.

Cello

D. Bass

356

Handwritten musical score for measures 351-356. The score includes parts for Flute 1, Flute 2, Flute 3 (Alto), Vibraphone, Celesta, Viola, Cello, and Double Bass. It features dynamic markings such as *p*, *mp*, and *ppp*, and performance instructions like *sempre* and *Slowly move*. The page is numbered 50 at the bottom right.