

PIANO CONCERTO

by

CHRISTOPHER EUGENE HOWARD

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Abstract

The *Piano Concerto* represents an experiment in form in which a set of five continuous variations are partitioned into three movements, corresponding to the listener's expectations of a traditional tripartite concerto. Through the analysis of phrase structure, pitch and motivic variation, links amongst the variations are uncovered and developmental strategies discussed in an attempt to clarify the processes of musical creation. By proceeding in analysis from the highest levels of organization downwards, structural trends emerge which lend consistency to the work— low level patterns often reflect larger structural forces. In addition, a variety of symmetrical constructs are extant in the form of consistently used pitch collections (e.g., [0 1 4 9], a triad with both M3 and m3, subset of [0 1 4 5 8]), phrase organization (as in the second variation and the second movement) and the grouping of the variations themselves.

Seeded initially as a recorded improvisation by the composer (which became the Aria), the Concerto displays formal tension as areas of rigid organization (Variations 1, 3, and 5) alternate with more freely organized regions (Variations 2 and 4), a dichotomy which springs from the Theme itself. The listener is taken on a linear journey through the telescoping development of material which maintains more or less explicit connections to the Theme throughout. In general, the further into the work the listener progresses, the less literal the Thematic references become until a brief recapitulation appears at the end.

The aesthetic which drives this work is based on a fundamental adherence to traditional procedures, tempered with unique approaches to form. This aesthetic and certain cohabiting non-traditional aspects of the Concerto will be discussed in the analysis that follows.

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Instrumentation

2 Flutes (flute 2 doubling piccolo)

2 Oboes

2 Clarinets (B-flat)

2 Bassoons

4 Horns (F)

2 Trumpets (C)

2 Trombones

Bass Trombone

Tuba

Timpani

Percussion (2 players)

Player 1

snare drum
suspended cymbal
crash cymbals
4 concert toms

Player 2

bass drum

Solo Piano

Strings

duration ca. 20 minutes

N.B. The score is not in "C". Pitches for transposing instruments appear as they do in the parts.

Pno. 10 *cresc.* *mp* *p*

Pno. 16 *mf*

Fl. 23 *poco rit.* 25 *a Tempo*

Pno. 23 *poco rit.* 25 *a Tempo*

Vln. I 23 *poco rit.* 25 *a Tempo* *p* *div 2*

Vln. II *p*

Vla. *p*

Vc. *div 2* *p*

Cb. *p*

31 33

Picc. *mp*

Fl.

Ob. *p* *non legato*

Cl (B \flat) *p* *non legato*

Bsn. *mp*

Tpt. *mp espressivo*

Tbn. *mp espressivo*

B Tbn Tuba *p* *tbn.*

Vln 1 *mp* *33* *mp*

Vln 2 *mp*

Vla. *mp*

Vc. *mp*

Cb. *mp*

37

Picc. *pp*

Fl. *pp*

Ob. *pp*

Cl (B♭) *p*

Cor.

Hr. (F) *mp*

Tpt. *mp*

Tbn. *mp*

B Tbn Tuba *mp*

37

Vln. I *mp*

Vln. II *p*

Vla. *p*

Vc. *p*

Cb. *pizz.*

45 50 ♩ = 80 accel. ♩ = 54

Fl.

Ob. *p*

Cl. (B \flat) *p*

Bsn. *p*

Hn. (F) 1 *p* 2 3 4 *p*

Perc. B.D. *p*

Pno. 45 50 ♩ = 80 accel. ♩ = 54 *p* *mp leggiero*

Vln. 1 *div a 2* *p tenuto*

Vln. 2 *div a 2* *tenuto* *p*

Vla. *tenuto* *p*

Vc. *unss.* *tenuto* *p* *div a 2*

Cb. *p* *arco*

54

Cl (Bb)

p *mf* *mp*

Pno

mf *sub. p* *mp* *p*

60

Picc

p *mp* *mp*

Fl.

p *mf*

Ob.

p *mf* *mp*

Cl (Bb)

p *mf* *mf*

Bsn.

p *mf*

1

2

3

4

Hn (F)

mf *mf* *mf*

Tpt

mf *mp*

1 st. mute

Tbn

p *mp*

B. Tbn

Tuba

p *mf* *f* *p*

S.D.

Perc

mp *f* *mp*

60

Pno

mf *p*

66 69

Picc *fp* *mf* *fp* *mf*

Fl *fp* *mf* *fp* *mf*

Ob *fp* *mf* *fp* *mf*

Cl (B)

Bm

Tbn *mp cresc*

B Tbn

Tuba *mp cresc*

Perc *mf*

66 69

Perc *mp* *p* *mf*

75 79

Fla (1) *mf p* *mp cresc* *mf p*

Fla (2)

Tpt *mf p* *mp cresc* *mf p*

Tbn *mf p* *mp cresc* *mf p*

B Tbn

Tuba *mf p* *mp cresc* *mf p*

75 79

Perc *mf* *mf* *mf*

75 79

Vln 1 *pp* *mf* *p* *pp*

Vln 2 *pp* *mf* *p* *pp*

Vla *pp* *mf* *p* *pp*

Vcl *pp* *mf* *p* *pp*

Cb *pp* *mf* *p* *pp*

This page of a musical score contains measures 86 through 90. The instruments and their parts are as follows:

- Cl (B♭):** Measures 86-87 are silent. Measure 88 begins with a melodic line marked *p*. Measure 89 continues with a melodic line marked *p*. Measure 90 continues with a melodic line marked *p*.
- Bsn:** Measures 86-87 are silent. Measure 88 begins with a melodic line marked *mp*. Measure 89 continues with a melodic line marked *mp*. Measure 90 continues with a melodic line marked *mp*.
- Hn. (F):** Measures 86-87 are silent. Measure 88 begins with a melodic line marked *mf*. Measure 89 continues with a melodic line marked *mf*. Measure 90 continues with a melodic line marked *mf*.
- Tpt.:** Measures 86-87 are silent. Measure 88 begins with a melodic line marked *mf*. Measure 89 continues with a melodic line marked *mf*. Measure 90 continues with a melodic line marked *mf*.
- Tbn:** Measures 86-87 are silent. Measure 88 begins with a melodic line marked *p*. Measure 89 continues with a melodic line marked *p*. Measure 90 continues with a melodic line marked *p*.
- B Tbn Tuba:** Measures 86-87 are silent. Measure 88 begins with a melodic line marked *p*. Measure 89 continues with a melodic line marked *p*. Measure 90 continues with a melodic line marked *p*.
- Pno:** Measures 86-87 are silent. Measure 88 begins with a melodic line marked *mp*. Measure 89 continues with a melodic line marked *mp*. Measure 90 continues with a melodic line marked *mp*.
- Vln. 1:** Measures 86-87 are silent. Measure 88 begins with a melodic line marked *mp*. Measure 89 continues with a melodic line marked *mp*. Measure 90 continues with a melodic line marked *mp*.
- Vln. 2:** Measures 86-87 are silent. Measure 88 begins with a melodic line marked *mp*. Measure 89 continues with a melodic line marked *mp*. Measure 90 continues with a melodic line marked *mp*.
- Vla.:** Measures 86-87 are silent. Measure 88 begins with a melodic line marked *mp*. Measure 89 continues with a melodic line marked *mp*. Measure 90 continues with a melodic line marked *mp*.
- Vc.:** Measures 86-87 are silent. Measure 88 begins with a melodic line marked *mp*. Measure 89 continues with a melodic line marked *mp*. Measure 90 continues with a melodic line marked *mp*.
- Cb.:** Measures 86-87 are silent. Measure 88 begins with a melodic line marked *mp*. Measure 89 continues with a melodic line marked *mp*. Measure 90 continues with a melodic line marked *mp*.

Measure numbers 86 and 88 are indicated in boxes above the first staff of each instrument group. Performance markings include *mp*, *mf*, *p*, *st. mute*, *arco*, *pizz.*, and *trms.*

This musical score page contains parts for the following instruments: Oboe (Ob), Clarinet in B-flat (Cl (Bb)), Bassoon (Bsn), Horns in F (Hn. (F) 1-4), Trumpets (Tpt), Trombones (Tbn), Bass Trombone (B Tbn), Tuba, Percussion (Perc), Piano (Pno), Violin 1 (Vln. 1), Violin 2 (Vln. 2), Viola (Via), Violoncello (Vc), and Contrabass (Cb). The score is divided into two systems, each starting at measure 92 and ending at measure 96. The woodwinds and strings feature dynamic markings such as *mf*, *mp*, *f*, *p*, and *cresc.*. The percussion part includes a snare drum (SD) with triplet patterns. The piano part features complex rhythmic patterns with triplets and quintuplets. The string parts include *arco* and *pizz* markings. The page number '9' is located in the top right corner.

This page of a musical score contains measures 98 through 107. The instruments and their parts are as follows:

- Picc:** Piccolo, starting at measure 98 with dynamics *p*, *mp*, *mf*, *f*, and *mf*.
- Fl:** Flute, starting at measure 98 with dynamics *mp*, *mf*, *f*, and *mf*.
- Ob:** Oboe, starting at measure 98 with dynamics *mf*, *mf*, *f*, and *mf*.
- Cl (B♭):** Clarinet in B-flat, starting at measure 98 with dynamics *mf*, *mf*, *f*, and *mf*.
- Bsn:** Bassoon, starting at measure 98 with dynamics *mp*, *mf*, *f*, and *mf*.
- Tpt:** Trumpet, starting at measure 98 with dynamics *mp*, *mf*, *f*, and *mf*.
- B Tbn / Tuba:** Bass Trombone and Tuba, starting at measure 98 with dynamics *mf* and *f*.
- Perc:** Percussion, starting at measure 98 with dynamics *f*, *mf*, and *fp*.
- Pno:** Piano, starting at measure 98.
- Vln. 1 & 2:** Violins 1 and 2, starting at measure 98.
- Vla:** Viola, starting at measure 98 with dynamics *mf cresc*.
- Vc:** Violoncello, starting at measure 98 with dynamics *mf* and *cresc.*
- Cb:** Contrabass, starting at measure 98 with dynamics *arco*.

The score includes various musical notations such as dynamics, articulation marks, and performance instructions like *arco*.

104

Picc. *f* *mp* *mf* *mp*

Fl. *f* *mf*

Ob. *f*

Cl. (B \flat) *f*

Bsn. *f*

Hrn. (F) 1 *mf* *f* *mp*
2 *mf* *f* *mp*
3 *mf* *f* *mp*
4 *mf* *f* *mp*

Tpt. *f* *mf* *mp* *mp*

Tbn. *mf* *f* *mp*

B. Tbn. Tuba *mf* *f* *mp*

Perc. *f* *mp* B.D.

Pno. *f*

Vln. 1 *f* *div 2* *pizz.* *am.*

Vln. 2 *f* *am.*

Vla. *f* *am.*

Vc. *f* *div 2* *am.*

Cb. *f*

This page of a musical score, numbered 12, contains the following instruments and parts:

- Woodwinds:** Flute (Fl), Oboe (Ob), Clarinet in B-flat (Cl. (Bb)), Bassoon (Bsn.), Horns (Hr. (F) 1-4), Trumpets (Tpt. 1-4), Trombones (Tbn. 1-3), and Bass Trombone (B. Tbn. Tuba).
- Percussion:** Timpani (Timp.) and Percussion (Perc.) with specific markings for S.D. and B.D.
- Piano:** Piano (Pno).
- Strings:** Violin 1 (Vln. 1), Violin 2 (Vln. 2), Viola (Via.), Violoncello (Vc.), and Contrabass (Cb.).

The score features several rehearsal marks: 111, 113, and 113. Dynamic markings include *mf*, *mp*, and *f*. The music is written in a standard orchestral format with multiple staves per instrument.

119 *rit.* 122 ♩ = 48

Bsn.

Hn. (F) 2

Tpt.

Tbn. *ppp*

B. Tbn. Tuba

Timp. *p*

Perc.

Pno. *rit.* 119 122 ♩ = 48 *p*

Vln. 1 119 *rit.* 122 ♩ = 48 *div = 2* *ppz* *p*

Vln. 2 *mp* *p*

Vla. *mp* *p*

Vc. *mp* *p* *ppz p*

Cb.

124

Cl. (B \flat) *mp espressivo*

Pno.

Vln. 1 *pp*

Vln. 2 *pp* *IV. (no m. 142)*

Vla. *pizz* *p*

Vc. *arco* *pp*

poco rit. 128 $\text{♩} = 40$

Cl. (B \flat)

Timp. *pp*

Perc. *pp* *cus cym.* *mp*

poco rit. 128 $\text{♩} = 40$

Pno. *pp* *mp*

poco rit. 128 $\text{♩} = 40$

Vln. 1 *p*

Vln. 2 *p*

Vla. *arco* *pp* *p*

Vc. *una* *p*

Cb. *p*

This page of a musical score contains measures 132 through 135. The instruments and their parts are as follows:

- Cl (Bb):** Features a melodic line starting at measure 132 with a dynamic of *pp*, moving to *mp* by measure 135.
- Timp:** Provides rhythmic support with a pattern of eighth notes.
- Perc:** Accompanies the timpani with a similar rhythmic pattern.
- Pno:** Plays a complex, multi-voiced accompaniment with a dynamic of *pp*.
- Vln 1:** Plays a melodic line with a dynamic of *pp*, including a double bar line and a fermata in measure 134.
- Vln 2:** Plays a melodic line with a dynamic of *pp*, including a double bar line and a fermata in measure 134.
- Vla:** Plays a melodic line with a dynamic of *pp*.
- Vc:** Plays a melodic line with a dynamic of *pp*.
- Cb:** Plays a melodic line with a dynamic of *pp*.

Measure numbers 132, 133, 134, and 135 are indicated at the beginning of their respective staves. Dynamic markings *pp* and *mp* are placed below the Percussion staff. Performance instructions such as *div 2* and *ff* are present in the string parts.

This musical score page contains measures 137 through 140. The instruments and their parts are as follows:

- Flute (Fl.):** Measures 137-140. Dynamics: *pp* (137), *p* (138), *pp* (139). A *rit.* marking is present above measure 139.
- Oboe (Ob.):** Measures 137-140. Dynamics: *pp* (137), *p* (138).
- Clarinet in B-flat (Cl (B♭)):** Measures 137-140. Features a melodic line with slurs and ties.
- Timpani (Timp.):** Measures 137-140. Dynamics: *pp* (137), *mp* (139).
- Percussion (Perc.):** Measures 137-140. Dynamics: *pp* (137), *mp* (139).
- Piano (Pno.):** Measures 137-140. Features a complex accompaniment with many sixteenth notes.
- Violin 1 (Vln 1):** Measures 137-140. Dynamics: *pp* (137), *p* (138), *pp* (139). A *rit.* marking is present above measure 139.
- Violin 2 (Vln 2):** Measures 137-140. Dynamics: *pp* (137), *p* (138), *pp* (139). Includes fingering numbers 7, 7, 7, and 2.
- Viola (Via):** Measures 137-140. Dynamics: *pp* (137), *p* (138), *pp* (139).
- Violoncello (Vc):** Measures 137-140. Dynamics: *pp* (137), *p* (138), *pp* (139).
- Contrabass (Cb):** Measures 137-140. Dynamics: *pp* (137), *p* (138), *pp* (139).

141 $\text{♩} = 36$

Ob *pp*

C1 (B♭)

Tpt *mp espressivo*

Pno *p*

141 $\text{♩} = 36$

Vln 1 *mp*

Vln 2 *ums*

Vc *mp*

Cb *ppz*
mp

145

Tpt

Pno

Vln 1

Vc

Cb

148 *rit.* 150 *a Tempo*

Tpt.

Pno. *f* *rit.* 150 *a Tempo* *pp*

Vln. I *mf* *rit.* 150 *a Tempo* *pp*

Vc. *mf*

Cb. *mf*

152

Tpt. *mp*

Pno. *mp* *mf cresc*

Vln. I *mp*

Vc. *mp*

Cb. *mp*

185 *accel.*

Picc.

Fl. *mf*

Ob. *mf*

Cl. (Bb) *mf*

Bsn. *mf* *cresc.*

Hr. (F) *mf* *cresc.*

Tpt. *mf* *cresc.*

Tbn. *mf* *cresc.*

B. Tbn. Tuba *mf* *cresc.*

Timp. *mp* *mf*

Pno. *mp* *accel.*

Vln. 1 *mf* *div # 3* *accel.*

Vln. 2 *mf* *div # 2* *accel.*

Vla. *f* *cresc.*

Vc. *f* *cresc.*

Cb. *f* *cresc.*

169 Poco Piu Mosso ♩ = 120

168

Fl

Ob.

Cl (Bb)

Bsn.

1 2 3 4

Hn. (F)

Tbn.

B Tbn Tuba

169 Poco Piu Mosso ♩ = 120

168

Pno

169 Poco Piu Mosso ♩ = 120

168

Vln. 1

Vln. 2

Vla.

Vc.

Cb.

176

poco rit.

Fl.

Ob.

Cl. (B \flat)

Bsn.

1. Hn. (F)

2.

3.

4.

Tpt.

Tbn.

B. Tbn. Tube

Timp.

176

poco rit.

Pno.

176

poco rit.

Vln. 1

Vln. 2

Vla.

Vc.

Cb.

ppp

181 a Tempo

Cl (Bb) *p*

Pno

Vln. 1 *pp*

Vln. 2 *pp*

Vla *pp*

Vc *pp*

Cb *pp*

185

Cl (Bb)

Pno

Vln. 1 *p*

Vln. 2 *p*

Vla *p*

Vc *p*

Cb *p*

189

Cl (B \flat)

Pno

Vln 1

Vln 2

Vla.

Vc

Cb

194

Cl (B \flat)

Pno

Vln 1

Vln 2

Vla.

Vc

Cb

poco rit.

pp

pppp

ii. Recitative and Aria

$\text{♩} = 60$

2 Flutes
ppp ————— *mp* > *ppp*

2 Clarinets (B \flat)
ppp ————— *mp* > *ppp*

2 Bassoons
ppp ————— *mp* > *ppp*

Horns (F)
1 2 3 4
1 con sord.
3 con sord.
p

Trombone 1-2
1 st mute
p

B. Trombone
Tuba
st. mute (tbn)
p

Timpani
p

Percussion
sus. cym.
mf ————— *fff* ————— *f*

$\text{♩} = 60$ quasi cadenza

Piano
f

$\text{♩} = 60$

Violin I
con sord. sul tasto div 2
pp ————— *mf*

Violin II
con sord. sul tasto div 2
ppp ————— *mp* ————— *ppp*

Viola
con sord. sul tasto div 2
ppp ————— *mp* ————— *ppp*

Cello
con sord. sul tasto div 2
pp ————— *unz.*

Contrabass
p

15 *sfz* *p* *S.D.* **16** *Stringendo* *ff*

Perc.

15 *ff* **16** *Stringendo* *ff*

Pno

16 *Stringendo* *ff*

Vc.

18 *rit.* *mute out* **25** *♩ = 72*

Tbn.

B Tbn
Tuba *sfz* *mf* *sfz* *sfz*

mute out *sfz* *mf* *sfz* *sfz*

Timp. *tam-tam* *sfz* *mf* *sfz* *sfz*

Perc. *B D* *sfz* *mf* *sfz* *sfz*

18 *rit.* **25** *♩ = 72*

Pno *fff* *fff* *fff* *fff*

rit. *senza sord.* *div # 2.* *ord.* **25** *♩ = 72*

Vc. *sfz* *mf* *sfz* *sfz*

Cb. *sfz* *mf* *sfz* *sfz*

26

Hn. (F)
1
2
3
4

Tbn.
mf sffz sffz mf sffz mf

B Tbn
Tuba
mf sffz sffz mf sffz mf

Timp.
mf sffz sffz mf sffz

Perc.
mf sffz sffz mf sffz f

Pno
26
martellato

Vla.
sul tasto
p

Vc.
mf sffz sffz mf sffz

Cb.
mf sffz sffz mf sffz

32 ♩ = 68_80

Fl. *mp* *pp* *mp*

Ob. *p* *< mp*

Cl. (B♭) *pppp* *mp*

Bsn *pp* *mp* *pp* *mp*

Hn. (F) 1 *mp* *> p*
2
3 *mp* *> p*
4

Tpt *pp* *p*

Perc. *ppp* *pp*
sus. cym.
B.D. *pp* *z z*

32 ♩ = 68_80

rubato

Pno *pp*

32 ♩ = 68_80

Vln. 1 *ord. p* *div a2* *p* *tr* *uns* *p*

Vln. 2 *ord. p* *div a2* *p* *tr*

Vla. *ord. pp* *pp* *pp* *pp* *p*
div a2

Vc *con sord. pizz.* *pp* *tr* *div a2 arco*

Cb *con sord.* *p*

39

Ob.

Cl. (B♭)

Bsn.

Hn. (F)

1 2

3 4

Tpt.

Tbn.

B. Tbn.
Tuba

39

Pno.

Vln. 1

Vln. 2

Vla.

Vc.

Cb.

pp *p* *mp* *mf*

pp *p* *mp*

p *mp* *mf*

mp *mf*

mp *mf*

mp *mf*

mp *mf* *pp*

sub. mp *cresc.* *mf* *pp*

div a 2 *mp* *p* *mp* *mf* *p*

div a 3 *p* *mp* *p* *mp* *mf* *p*

p *mp* *p* *mp* *mf* *p*

p *mp* *p* *mp* *mf* *p*

mp *mf* *p*

tuba solo
mp espressivo

tr. a. a.

3

50

Picc. *mp* *mf*

Fl. *mp*

Ob. *mf*

Cl. (Bb) *mf*

Tpt. *p* *mp*

Tuba *mp* *mf*

Pno. *mf* *apassionata*

Vln. 1 *mp*

Vln. 2 *mp*

Vla. *mf*

Vc. *div e 2*

Cb. *pizz.* *mf*

52 *poco rit.* *mf* *accel.* 55 **Piu Mosso**

Fl. *mf*

Ob. *p*

Cl (Bb) *p* *mf* *mp* *mf*

Hn. (F) *con sord.* *mp* *senza sord.* *mf*

Tpt. *mp* *mf*

Tbn. *mp* *mf*

B Tbn Tuba *mp* *mf*

Pno *poco rit.* *accel.* *f* *loco*

Vln. I *mf* *sul tasto* *accel.* 55 **Piu Mosso**

Vla. *mf* *p* *mf* *div a2 sul tasto*

Vc. *mf* *p* *mf* *div a2 sul tasto*

Cb. *pizz.* *arco* *p* *mf* *sul tasto*

56

Fl. *mp*

Ob. *p* *mp*

Cl. (B♭) *p* *cresc.* *mp*

Bsn. *p* *mf*

Hrn. (F) 1 *p* *mf*
2
3 *p*

Tpt. *p*

Tbn. *p*

B Tbn. Tubn. *p*

Pno. *p*

Vln. 1 *ord.* *p* *div = 2*

Vln. 2 *ord.* *p* *div = 2*

Vla. *ord. unss.* *tr.* *p*

Vc. *ord.* *p*

Cb. *pizz.* *arco* *p*

Detailed description: This page of a musical score, numbered 37, begins at measure 56. It features a woodwind section with Flute (Fl.), Oboe (Ob.), Clarinet in B-flat (Cl. (B♭)), Bassoon (Bsn.), Horn in F (Hrn. (F)), Trumpet (Tpt.), Trombone (Tbn.), and Bass Trombone/Tuba (B Tbn. Tubn.). The piano (Pno.) part is also present. The string section includes Violin 1 (Vln. 1), Violin 2 (Vln. 2), Viola (Vla.), Violoncello (Vc.), and Contrabass (Cb.). The score includes various dynamics such as *mp*, *p*, *mf*, and *cresc.*, as well as performance instructions like *ord.*, *tr.*, *pizz.*, and *arco*. The woodwinds and strings play melodic lines, while the piano provides harmonic support. The string section includes a tremolo in the Viola part.

stringendo *rit.*

64 *mf* *cresc.* *mf*

Fl.

Ob.

Cl (Bb)

Bsn.

Hrn. 1

Tpt.

Tbn.

B Tbn Tuba

stringendo *rit.*

64 *mf* *cresc.* *ff*

Pno.

stringendo *unxz* *rit.*

Vln. 1

Vln. 2

Vla.

Vc.

Cb.

mf *pizz.* *mf*

68 Poco Meno Mosso

Fl. *f* *mf*

Ob. *f* *mp* *pp*

Cl (B♭) *f* *mp* *ppp* *p*

Bsn. *f* *mp*

Hn. (F) *f*

Tpt. *f* *mp*

Tbn. *f* *mp*

B Tbn Tuba *f* *mp*

Pno *mf* *dim* *p* *cresc*

Vln. 1 *mp* *ppp* *sul tasto*

Vln. 2 *mp* *ppp* *unss. sul tasto*

Vla. *mp* *pp*

Vc. *mp* *pp* *unss.*

Cb. *mp* *pp* *pac.*

Detailed description: This page of a musical score covers measures 68 to 77. The tempo is 'Poco Meno Mosso'. The woodwind section includes Flute (Fl.), Oboe (Ob.), Clarinet in B-flat (Cl (B♭)), Bassoon (Bsn.), Horn in F (Hn. (F)), Trumpet (Tpt.), Trombone (Tbn.), and Baritone/Euphonium/Tuba (B Tbn Tuba). The piano part (Pno) features a melodic line with dynamics ranging from mezzo-forte (mf) to piano (p), including a decrescendo (dim) and a crescendo (cresc). The string section (Vln. 1, Vln. 2, Vla., Vc., Cb.) provides harmonic support with dynamics from mezzo-piano (mp) to pianissimo (ppp), and includes performance directions like 'sul tasto' and 'unss. sul tasto'. The score is written in a key with one flat and a 4/4 time signature.

76

Fl. *p*

Ob. *p*

Cl. (Bb) *mp*

Bsn. *mp*

Hn. (F) *mf*

Tbn. *mf*

B. Tbn. Tuba *mf*

Timp. *p*

Perc. *pp* *mp*

sus. cym.

lv

Pno. *f* *mp* *p* *mp*

Vln. 1 *mp* *mf* *pp* *pp*

Vln. 2 *mp* *mf* *pp* *pp*

Vla. *mf*

Vc. *mf*

Cb. *mf*

76

76

ord.

div # 2

ur.

This page of a musical score contains the following parts and markings:

- Flute (Fl):** Measures 77-80. Dynamics: *p*, *f*, *mp*. Includes first and second endings.
- Oboe (Ob):** Measures 77-80. Dynamics: *ppp*, *p*.
- Clarinet in Bb (Cl. (Bb)):** Measures 77-80. Dynamics: *mp*, *p*. Includes a triplet.
- Horn in F (Hn. (F)):** Measures 77-80. Dynamics: *mp*, *p*, *p cresc*. Includes first and second endings.
- Trombone (Tbn.):** Measures 77-80. Dynamics: *p*, *cresc*.
- Bass Trombone/Tuba (B Tbn. Tuba):** Measures 77-80. Dynamics: *p*, *cresc*.
- Piano (Pno):** Measures 77-80. Dynamics: *p*, *cresc*. Includes a triplet.
- Violin 1 (Vln. 1):** Measures 77-80. Dynamics: *p*, *p cresc*. Includes *div a 2*.
- Violin 2 (Vln. 2):** Measures 77-80. Dynamics: *p*, *pp*, *p cresc*. Includes *unis*.
- Viola (Vla.):** Measures 77-80. Dynamics: *p*, *pp*, *p cresc*. Includes *unis*.
- Violoncello (Vc.):** Measures 77-80. Dynamics: *p*, *pp*, *p cresc*. Includes *unis*.
- Contrabass (Cb.):** Measures 77-80. Dynamics: *p*, *p cresc*. Includes *pizz.* and *arco*.

82 $\frac{3}{4}$ *rit.* **Meno Mosso**

Fl *mf* *mp* *p*

Cl. (Bb) *ppp* *p* *ppp* *p*

Hr. (F) 1 2 3 4 *mf* *mf*

Tbn. *mf*

B. Tbn. Tuba *mf*

Pno *mf* *p* *sost.*

rit. **Meno Mosso**

Vln. 1 *mf* *mp espressivo* *p*

Vln. 2 *div a 2* *mf* *p*

Vla. *mf*

Vc. *mf*

Cb. *mf*

This page of a musical score, numbered 45, contains measures 8 through 11. The score is arranged in a standard orchestral layout with multiple staves. The instruments and their parts are as follows:

- Perc.** (Percussion): Measures 8-11.
- FL.** (Flute): Measures 8-11.
- Ob.** (Oboe): Measures 8-11.
- Cl. (B)** (Clarinet in B): Measures 8-11.
- Bsn.** (Bassoon): Measures 8-11.
- Ha. (F)** (Horn in F): Measures 8-11.
- Tpt.** (Trumpet): Measures 8-11.
- Thu.** (Trombone): Measures 8-11.
- B. Thu. Tubn.** (Baritone Trombone): Measures 8-11.
- Temp.** (Timpani): Measures 8-11.
- Perc.** (Percussion): Measures 8-11.
- Pno.** (Piano): Measures 8-11.
- Vln. I** (Violin I): Measures 8-11.
- Vln. II** (Violin II): Measures 8-11.
- Vla.** (Viola): Measures 8-11.
- Vcl.** (Violoncello): Measures 8-11.
- Cb.** (Cello): Measures 8-11.

The score includes various musical notations such as notes, rests, and dynamic markings. Key dynamic markings include *mp* (mezzo-piano), *f* (forte), *sfz* (sforzando), and *ff* (fortissimo). There are also markings for *sfz* and *ff* with a hairpin indicating a crescendo. Measure numbers 8, 11, and 11 are clearly marked above the staves. The page number 45 is located in the top right corner.

This page contains a musical score for measures 16, 17, and 18. The score is divided into three systems. The first system includes Piccolo (Pic.), Flute (Fl.), Oboe (Ob.), Clarinet in B-flat (Cl. (Bb)), and Bassoon (Bsn.). The second system includes Horns in F (Hr. (F)) 1-4, Trumpet (Tpt.), Trombone (Tbn.), Bass Trombone (B. Tbn.), and Tuba (Tuba). The third system includes Percussion (Perc.), Piano (Pno.), Violin 1 (Vln. 1), Violin 2 (Vln. 2), Viola (Vla.), Violoncello (Vcl.), and Contrabass (Cb.).

Measure 16 is marked with a circled '16' and a box containing '18'. Measure 17 is marked with a circled '18'. Measure 18 is marked with a circled '18'. The score includes various musical notations such as notes, rests, and dynamic markings including *mf*, *f*, *fp*, *p*, and *mp*. There are also performance instructions like *acc.* and *rit.* and some handwritten annotations.

28

Picc. *f*

Fl. *f* *sf* *f*

Ob. *f* *sf* *f*

Cl. (B \flat) *p* *f* *sf* *f*

Bsn. *mp* *f* *sf* *f*

Hr. (F) *f* *sf* *f*

Tpt. *f* *sf* *f*

Tbn. *f* *sf* *f*

B. Tbn. *f* *sf* *f*

Temp. *f* *sf* *f*

Perc. *f* *sf* *f*

24 28

Pno. *f* *sf* *f*

28

Vln. 1 *f* *sf* *f*

Vln. 2 *f* *sf* *f*

Vla. *f* *sf* *f*

Vcl. *f* *sf* *f*

Cb. *f* *sf* *f*

32 33

Picc.
Fl.
Ob.
Cl. (B)
Bsn.

This block contains the musical staves for Percussion, Flute, Oboe, Clarinet in B-flat, and Bassoon. The music is in 4/4 time. The Percussion part has a simple rhythmic pattern. The woodwinds play melodic lines with some grace notes. A rehearsal mark '33' is placed above the first measure of the second system.

Hr. (F)
Tpt.
Tbn.
B. Tbn.
Tuba

This block contains the musical staves for Horn in F, Trumpet, Trombone, Baritone Trombone, and Tuba. The music is in 4/4 time. The brass instruments play sustained notes with dynamic markings of *f* and *ff*. A rehearsal mark '33' is placed above the first measure of the second system.

Perc.
32 33

Pno.

This block contains the musical staves for Percussion and Piano. The music is in 4/4 time. The Piano part features a complex, flowing melodic line with dynamic markings of *mp*, *f*, *mf*, and *f*. The Percussion part has a simple rhythmic pattern. Rehearsal marks '32' and '33' are placed above the first and second measures of the piano part, respectively.

33

Vln. 1
Vln. 2
Vla.
Vcl.
Cb.

This block contains the musical staves for Violin 1, Violin 2, Viola, Violoncello, and Contrabass. The music is in 4/4 time. The strings play sustained notes with dynamic markings of *fp* and *ff*. A rehearsal mark '33' is placed above the first measure of the Violin 1 part.

39 41

Fl.

Ob.

Cl. (B)

Bsn.

1. 2.

Hr. (F)

Tpt.

Trbn.

B. Trbn.

Temp.

Perc.

ms. cym (with stick)

39 41

Pno.

41

Vln. 1

Vln. 2

Vla.

Vcl.

Cb.

Musical score for page 51, measures 53-60. The score includes parts for Flute (Fl), Oboe (Ob), Clarinet in Bb (Cl (Bb)), Bass Trombone (B The Tube), Percussion (Perc), Piano (Pno), Violin 2 (Vln 2), Violin 1 (Vln), Viola (Via), and Cello (Cb). Measure numbers 53 and 60 are indicated at the top of the Flute and Piano staves respectively. The Percussion part features a section marked 'SD' (snare drum) with a 'mf' dynamic. The Piano part is marked with 'ff' (fortissimo) dynamics. The Violin 1, Viola, and Cello parts also feature 'ff' dynamics. The score is written in a standard musical notation style with various clefs and dynamic markings.

70

Fl.

Cl. (Bb)

Hrn. (F)

Tpt.

Trbn.

B. Trbn. / Tuba

Pno.

Vln. 1

Vln. 2

Vla.

Vcl.

Cb.

Musical score for measures 75-78, featuring Flute (Fl.), Oboe (Ob.), Clarinet (Bb) (Cl. (Bb)), Trumpet (Tpt.), Piano (Pno.), Violin I (Vln. I), Violin II (Vln. II), Viola (Vla.), Violoncello (Vcl.), and Contrabass (Cb.).

Measures 75 and 78 are marked with a box containing the number 78. The score includes various musical notations such as notes, rests, and dynamic markings.

Dynamic markings include *mf* (mezzo-forte) and *mf cresc.* (mezzo-forte crescendo). The Piano part (Pno.) shows a dynamic change from *mf* to *f* (forte) between measures 75 and 78. The string parts (Vln. I, Vln. II, Vla., Vcl., Cb.) show a dynamic change from *mf* to *cresc.* (crescendo) between measures 75 and 78.

108

112

FL

Ob.

Cl. (Bb)

Bsn.

Hr. (F)

1 2

3 4

Trp.

Tbn.

B. Tbn.

Truba

Tamp.

Perc.

108

112

Pno.

112

Vln. I

Vln. 2

Vla.

Vcl.

Cb.

mp *fp* *f*

mp *fp* *f*

mp *fp* *f*

f *mp*

mp *fp* *f*

mp *ff*

f *sfz* *sfz*

f *sfz* *sfz*

f *sfz* *sfz*

f *sfz* *sfz*

f *sfz* *sfz*

This page of a musical score, numbered 60, contains the following instruments and parts:

- Flute (Fl):** Standard notation with various melodic lines.
- Oboe (Ob):** Standard notation with melodic lines.
- Clarinet (Bb) (Cl (Bb)):** Standard notation with melodic lines.
- Bassoon (Bsn):** Standard notation with melodic lines.
- Horn (F) (Hn (F)):** Standard notation with melodic lines.
- Trumpet (Tpt):** Standard notation with melodic lines and dynamics like *mp*, *fp*, and *f*.
- Trombone (Tbn):** Standard notation with melodic lines and dynamics like *mp*, *fp*, and *f*.
- Bass Trombone (B. Tbn):** Standard notation with melodic lines.
- Snare Drum (Tamp):** Standard notation with rhythmic patterns and dynamics like *mp*, *f*, *mp*, *fp*, and *f*.
- Percussion (Perc):** Standard notation with rhythmic patterns and dynamics like *f* and *sf*.
- Piano (Pno):** Standard notation with complex textures and dynamics like *mf* and *f*. The number 116 is written above the staff.
- Violin I (Vln. I):** Standard notation with dynamics like *sfz*, *p*, and *f*. Includes the marking *div. 2*.
- Violin II (Vln. 2):** Standard notation with dynamics like *sfz*, *p*, and *f*. Includes the marking *div. 2*.
- Viola (Vla):** Standard notation with dynamics like *mf* and *f*.
- Violoncello (Vcl):** Standard notation with dynamics like *f*.
- Contrabass (Cb):** Standard notation with dynamics like *f*.

This page of a musical score, numbered 61, contains measures 124 and 125. The score is arranged in a standard orchestral format with the following instruments and parts:

- Flute (Fl.):** Measures 124 and 125. Includes a circled measure number '124' at the start and a circled measure number '125' in the middle. Dynamics include *f* and *mf*. Articulation marks include accents (*acc.*) and staccato (*stacc.*).
- Oboe (Ob.):** Measures 124 and 125. Dynamics include *f*. Articulation marks include accents (*acc.*) and staccato (*stacc.*).
- Clarinet (Bb) (Cl. (Bb)):** Measures 124 and 125. Dynamics include *f*. Articulation marks include accents (*acc.*) and staccato (*stacc.*).
- Bassoon (Bas.):** Measures 124 and 125. Dynamics include *f*. Articulation marks include accents (*acc.*) and staccato (*stacc.*).
- Horn (F) (Hr. (F)):** Measures 124 and 125. Dynamics include *f*. Articulation marks include accents (*acc.*) and staccato (*stacc.*).
- Trumpet (Tpt.):** Measures 124 and 125. Dynamics include *f*. Articulation marks include accents (*acc.*) and staccato (*stacc.*).
- Trombone (Tbn.):** Measures 124 and 125. Dynamics include *f*. Articulation marks include accents (*acc.*) and staccato (*stacc.*).
- Baritone/Euphonium (B. Tbn. Tube):** Measures 124 and 125. Dynamics include *f*. Articulation marks include accents (*acc.*) and staccato (*stacc.*).
- Timpani (Timp.):** Measures 124 and 125. Dynamics include *f*. Articulation marks include accents (*acc.*) and staccato (*stacc.*).
- Percussion (Perc.):** Measures 124 and 125. Dynamics include *f*. Articulation marks include accents (*acc.*) and staccato (*stacc.*).
- Piano (Pno.):** Measures 124 and 125. Includes a circled measure number '124' at the start and a circled measure number '125' in the middle. Dynamics include *f*. Articulation marks include accents (*acc.*) and staccato (*stacc.*).
- Violin 1 (Vln. 1):** Measures 124 and 125. Dynamics include *f*. Articulation marks include accents (*acc.*) and staccato (*stacc.*).
- Violin 2 (Vln. 2):** Measures 124 and 125. Dynamics include *f*. Articulation marks include accents (*acc.*) and staccato (*stacc.*).
- Viola (Vla.):** Measures 124 and 125. Dynamics include *f*. Articulation marks include accents (*acc.*) and staccato (*stacc.*).
- Violoncello (Vcl.):** Measures 124 and 125. Dynamics include *f*. Articulation marks include accents (*acc.*) and staccato (*stacc.*).
- Contrabass (Cb.):** Measures 124 and 125. Dynamics include *f*. Articulation marks include accents (*acc.*) and staccato (*stacc.*).

This page of a musical score contains measures 133, 134, and 135. The instruments are arranged as follows:

- Flute (Fl):** Measures 133-135, starting with a circled measure number 133.
- Oboe (Ob):** Measures 133-135.
- Clarinet in B-flat (Cl. (Bb)):** Measures 133-135.
- Bassoon (Bsn.):** Measures 133-135.
- Horn in F (Hr. (F)):** Measures 133-135, with sub-staves numbered 1, 2, 3, and 4.
- Trumpet (Tpt.):** Measures 133-135.
- Timpani (Tm.):** Measures 133-135.
- Bass Drum and Tom (B. Tm. / Tm.):** Measures 133-135.
- Tempo (Temp.):** Measures 133-135.
- Drum (Perc.):** Measures 133-135, including 4 toms (snare) and (B.D.).
- Piano (Pno.):** Measures 133-135, with a circled measure number 135.
- Violin 1 (Vln. 1):** Measures 133-135, with a circled measure number 135.
- Violin 2 (Vln. 2):** Measures 133-135.
- Viola (Vla.):** Measures 133-135.
- Violoncello (Vcl.):** Measures 133-135.
- Double Bass (Cb.):** Measures 133-135.

Key performance markings include *f*, *ff*, *mf*, *mezzo*, *div a 2*, and *f cresc.* The score is written in a standard orchestral format with multiple staves per instrument.

This page of a musical score, numbered 63, covers measures 139 to 142. The score is arranged in systems for various instruments:

- Woodwinds:** Flute (Fl.), Oboe (Ob.), Clarinet in B-flat (Cl. (B)), Bassoon (Bas.), Horn in F (Hn. (F)), Trumpet (Tpt.), Trombone (Tbn.), and Baritone/Euphonium (B. Tbn. / Tube).
- Percussion:** Snare Drum (Tamp.) and other Percussion (Perc.).
- Piano:** Grand Piano (Pno.).
- Strings:** Violin I (Vln. 1), Violin II (Vln. 2), Viola (Vla.), Violoncello (Vcl.), and Contrabass (Cb.).

Key musical markings include dynamics such as *mf* (mezzo-forte) and *f* (forte), and performance instructions like *f cresc.* (forte crescendo) and *cliss.* (crescendo). Measure numbers 139 and 142 are clearly indicated above the staves.

147

152 subito $\text{♩} = 100$ rit.

Fl.

Ob.

Cl. (Bb)

Bsn.

Hr. (F)

1 2

3 4

Tpt.

Tbn.

B. Tbn. Tuba

Temp.

Perc.

147

152 subito $\text{♩} = 100$ rit.

Pno.

152 subito $\text{♩} = 100$ rit.

Vln. 1

Vln. 2

Vla.

Vcl.

Cb.

156 159 $\text{♩} = 80$

Fl. *p*

Ob. *pp*

Cl. (B♭) *mp*

Bsn. *mp*

Hr. (F) *mp*

Trp. *pp*

Picc. *mp*

Vla. I *p*

Vla. II *p*

Vla. *pp*

Vcl. *p*

Cb. *p*

174 175

Picc. *mp*

Fl. *mp*

Ob. *mf* *p* *mp*

Cl. (Bb) *p* *mp*

Bass. *p* *mp*

Hr. (F) *mp*

Tpt. *mf* *p*

Trmp. *mp*

174 175

Pno. *mp*

175

Vla. I *p*

Vla. II *p*

Vla. *mm*

Vcl. *p*

Cb. *p*

accel.

182

Picc.
Fl.
Ob.
Cl. (Bb)
Bsn.
Hr. (F)

Detailed description: This block contains the musical notation for the woodwind and brass sections. It includes staves for Piccolo (Picc.), Flute (Fl.), Oboe (Ob.), Clarinet in B-flat (Cl. (Bb)), Bassoon (Bsn.), and Horn in F (Hr. (F)). The music starts at measure 182. The Piccolo and Flute parts feature rapid sixteenth-note passages with wavy hairpins above them. The Oboe, Clarinet, and Bassoon parts have long, sustained notes with hairpins. The Horn part has a long, low note with a hairpin.

accel.

182

Pno.

Detailed description: This block contains the musical notation for the Piano (Pno.) part, starting at measure 182. The score shows both the right and left hands. The right hand has a complex, fast-moving melodic line with many sixteenth notes. The left hand provides a rhythmic accompaniment with eighth and sixteenth notes. A large hairpin spans across the top of the right hand. The word 'cresc.' is written below the right hand.

accel.

Vln. 1
Vln. 2
Vla.
Vcl.
Cb.

Detailed description: This block contains the musical notation for the string section. It includes staves for Violin 1 (Vln. 1), Violin 2 (Vln. 2), Viola (Vla.), Violoncello (Vcl.), and Contrabass (Cb.). The Violin 1 and 2 parts play a rhythmic pattern of eighth notes. The Viola part has a similar rhythmic pattern. The Violoncello and Contrabass parts have a slower, more melodic line. The word 'cresc.' is written below each of the string staves. The word '2nd' is written above the Violoncello staff.

195

Picc. *f cresc.* *ff*

Fl. *f cresc.* *ff*

Ob. *f cresc.* *ff*

Cl. (B) *f cresc.* *ff*

Bass *f cresc.* *ff*

Hr. (F) *tf-p* *f*

Tpt. *f*

Tbn. *f*

B. Tbn. *f*

Temp. *f*

Perc. *f*

195

Picc. *f*

195

Vln. 1 *f* *mf cresc.*

Vln. 2 *f* *mf cresc.*

Vla. *f* *mf cresc.*

Vcl. *f* *mf cresc.*

Cb. *f* *mf cresc.*

202

Picc.
Fl.
Ob.
Cl. (Bb)
Bsn.

Detailed description: This block contains the musical notation for five woodwind instruments. The Piccolo part is in the top staff, followed by Flute, Oboe, Clarinet (Bb), and Bassoon. The music is in 4/4 time and features a melodic line with various dynamics and articulations. A box labeled '202' is positioned above the Piccolo staff.

Hr. (F)
Tpt.
Tbn.
B. Tbn.
Tuba

Detailed description: This block contains the musical notation for four brass instruments. The Horns (F) are in the top staff, followed by Trumpets, Trombones, and Baritone/Euphonium/Tuba. The music is in 4/4 time and features a melodic line with various dynamics and articulations. A box labeled '202' is positioned above the Horns (F) staff.

Timp.
Perc.

Detailed description: This block contains the musical notation for two percussion instruments: Timpani and Percussion. The music is in 4/4 time and features a rhythmic pattern with various dynamics and articulations.

202

Pno.

Detailed description: This block contains the musical notation for the Piano. The music is in 4/4 time and features a complex rhythmic pattern with various dynamics and articulations. A box labeled '202' is positioned above the Piano staff.

202

Vln. I
Vln. II
Vla.
Vcl.
Cb.

ave 2
pp
mf

Detailed description: This block contains the musical notation for five string instruments: Violin I, Violin II, Viola, Violoncello, and Contrabass. The music is in 4/4 time and features a melodic line with various dynamics and articulations. A box labeled '202' is positioned above the Violin I staff. The dynamic markings *pp* and *mf* are visible in the lower staves.

This page of a musical score, numbered 72, contains measures 205 through 210. The score is arranged in two systems. The first system, measures 205-210, features a woodwind and brass section with the following parts: Piccolo (Picc.), Flute (Fl.), Oboe (Ob.), Clarinet in B-flat (Cl. (Bb)), Bassoon (Bas.), Horns in F (Hrn. (F)) with four staves, Trumpet (Tpt.), Trombone (Tbn.), Bass Trombone (B. Tbn.), and Tuba (Tuba). The percussion section includes Timpani (Timp.) and Percussion (Perc.). The dynamic marking for all instruments in this system is *ff* (fortissimo). The second system, measures 210-215, features a piano (Pno.) and a string section. The piano part includes a grand staff with treble and bass clefs. The string section includes Violin 1 (Vln. 1), Violin 2 (Vln. 2), Viola (Vla.), Violoncello (Vcl.), and Contrabass (Cb.). The dynamic marking for the piano and strings in this system is *pp* (pianissimo). The score includes various musical notations such as notes, rests, slurs, and dynamic markings.

212 **213** *Meno Mosso* **217** $\sigma = 90$

Picc. *f*

Fl. *f*

Ob. *f*

Cl. (Bb) *f*

Trp. *f*

B. Trp. *f*

Tuba *f*

Perc. *f* *cr. cym.*

213 *Meno Mosso* **217** $\sigma = 90$

Picc. *f* *mf* *p* *ff*

smile

213 *Meno Mosso* **217** $\sigma = 90$

Vla. 1 *p* *pp*

Vla. 2 *p* *pp*

Vla. *p* *pp*

Vcl. *p* *pp*

221 223

Picc. *f* *ff*

Fl. *f* *ff*

Ob. *f* *ff*

Cl. (Ba) *f* *ff*

Bsn. *f* *ff*

1 2 3 4

Hr. (F) *mp* *ff*

Tpt. *mp* *ff*

Tbn. *mf/p* *ff*

B. The Tube *mf/p* *ff*

Perc.

221 223

Pno.

223

Vla. 1 *ff*

Vla. 2 *ff*

Vla. *ff*

Vcl. *ff*

Cb. *ff*

231

This page of a musical score contains measures 228 through 231. The instruments are arranged as follows:

- Woodwinds:** Piccolo (Picc.), Flute (Fl.), Oboe (Ob.), Clarinet in B-flat (Cl. (Bb)), Bassoon (Bsn.).
- Brass:** Horns in F (Hr. (F) 1-4), Trumpets (Tpt.), Trombones (Tbn.), Bass Trombone (B. Tbn./Tuba).
- Drum and Percussion:** Timpani (Timp.), Percussion (Perc.).
- Strings:** Violin 1 (Vln. 1), Violin 2 (Vln. 2), Viola (Vla.), Violoncello (Vcl.), and Contrabass (Cb.).

Measure 228 is marked with a rehearsal sign. Measure 231 is also marked with a rehearsal sign and contains several dynamic markings: *ff* for the Horns, *f* for the Trumpets, *mfz* for the Trombones and Bass Trombone/Tuba, *ppp* for the Timpani and Percussion, and *mfz p* for the Contrabass. The score includes various musical notations such as notes, rests, and articulation marks.

234

Picc.

Fl.

Ob.

Cl. (Bb)

Bsn.

This system contains five staves for woodwinds and brass. The Piccolo (Picc.) and Flute (Fl.) parts have melodic lines with slurs and accents. The Oboe (Ob.) part has a dynamic marking of *f* and *p*. The Clarinet in B-flat (Cl. (Bb)) and Bassoon (Bsn.) parts have dynamic markings of *f* and *ff*. The music is in a 2/4 time signature.

1
2

3
4

Hr. (F)

Tpt.

Tbn.

B. Tbn.
Tuba

This system contains five staves for brass instruments. The Horns in F (Hr. (F)) are numbered 1, 2, 3, and 4. The Trumpet (Tpt.), Trombone (Tbn.), and Baritone/Euphonium/Tuba (B. Tbn./Tuba) parts are shown. Dynamic markings include *f* and *ff*.

Temp.

Perc.

This system contains two staves for timpani (Temp.) and percussion (Perc.). The timpani part has dynamic markings of *f* and *ff*. The percussion part has dynamic markings of *ff*.

234

Pno.

This system contains two staves for the piano (Pno.). The music is in a 2/4 time signature. Dynamic markings include *ff*.

Vla. 1

Vla. 2

Vla.

Vcl.

Cb.

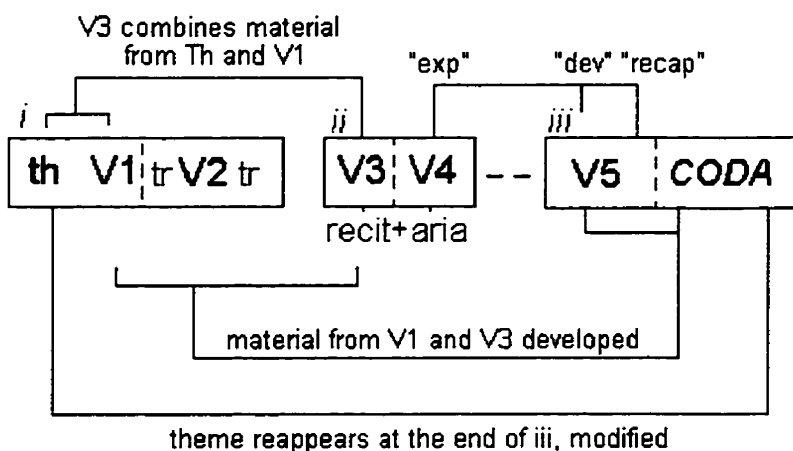
This system contains five staves for string instruments: Violin 1 (Vla. 1), Violin 2 (Vla. 2), Viola (Vla.), Violoncello (Vcl.), and Contrabass (Cb.). Dynamic markings include *f* and *ff*.

Analysis and Commentary

A. Formal Concept

The impetus for the formal design of the Concerto was the desire to merge the expectations of a tripartite traditional form with a set of continuous variations. The variations are grouped in such a way as to form three "movements" (see fig. 1), each sharing thematic material with the others because of the variation relationship, but differing in texture and other surface aspects. The levels of contrast give rise to the impression of a traditional tripartite form (i. Moderato, ii. Adagio, iii. Rondo) in which the first movement is perceived as a stand-alone *Theme and Variations*. In fact, what appear to be second and third movements are actually further variations of larger scope. When considered together, the Variations form a symmetrical group around V_4 . In general, the farther along in the form, the less literal the statements of the Theme become, due, in part, to the process of continuous variation in which the development of ideas is compounded.

Figure 1. Links and Symmetries in the Overall Form



Another significant aspect of the Concerto is the tension between the carefully controlled structural form and the quasi-improvisational gestures of the surface. The first music of the Concerto produced was, in fact, an improvisation that generated the Aria (the main part of the second movement), subsequently transcribed and *polished*. Once complete, reverse development of the improvisation produced the Theme from which spring the larger set of Variations. The developmental links amongst the various sections of the work bear a resemblance to the linear developmental procedures of improvising musicians, owing particular inspiration to the epic solo improvisations of Keith Jarrett.¹ What is missing from the Concerto, however, is a true cadenza, although a quasi-cadential passage occurs at the opening of *ii* (Recitative, mm. 1-31). This decision was made partly due to the constant presence of the piano throughout the work.

B. General Form of the Movements and their Inter-relationships

B1. First Movement (Theme and Variations) — see fig. 2

The first movement of the Concerto may be divided into three main sections, labeled Theme, V_1 , and V_2 on fig.2. The Theme is essentially a binary construction, the second half (mm. 25-50) being an orchestrated and slightly augmented version of the opening piano solo (mm. 1-24). V_1 reflects this binary design but the second segment (b') is more vigorously developed than in the Theme. V_2 displays a symmetrical formal design with a central binary section (141-174) surrounded by related transition sections (c, c'). The binary section of V_2 is fairly explicit in its orchestral references to the Theme, but the piano is freed from literal statements of thematic material, relying more on gestures drawn from V_1 as a foundation for development. V_1 and V_2 function as a large-level pair, reflective of the binary structure of the Theme itself in which the second formal unit is developed from the first. Of course, V_1 and V_2 do not display the level of surface similarities that exist between all of the smaller-level binary forms indicated (a, a'; b, b'; d, d', even c, c'). The end of the movement is deliberately inconclusive, leading the listener to the opening of the next movement. When the large-scale form of the piece is considered, the Recitative section of the second movement (ii: 1-31) functions as a counterpart to the combination of the Theme and V_1 of the first movement (see fig. 1). The result is a symmetrical structure which overlaps the space between the first and second movements.

B2. Second Movement (Recitative and Aria) — see fig. 3

In keeping with the overall variation form of the work, the Recitative is actually the third variation (V_3) and the Aria is the fourth (V_4). However, as a self-contained movement, these two variations function as a pair, with dramatic posturing similar to the

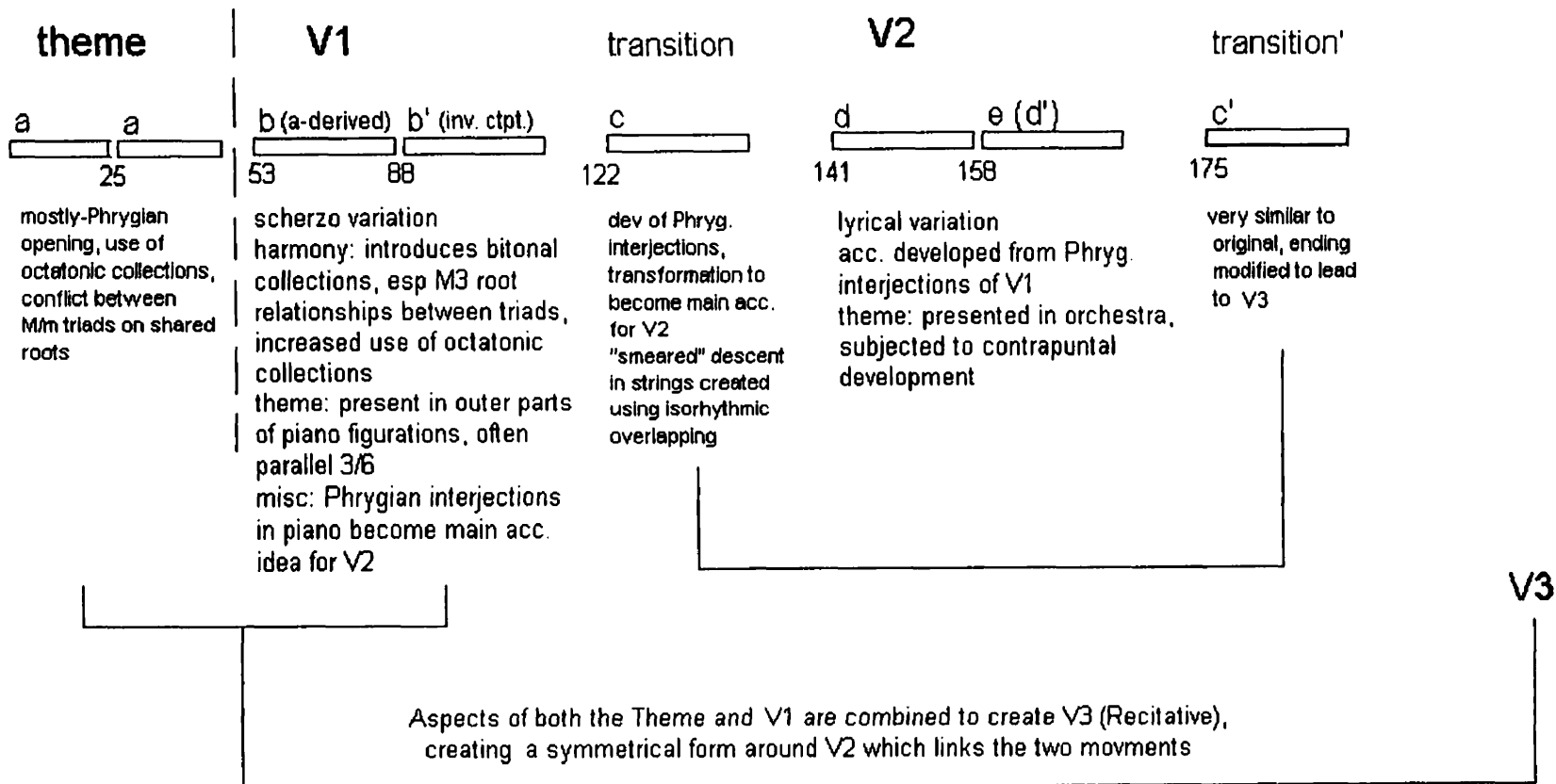
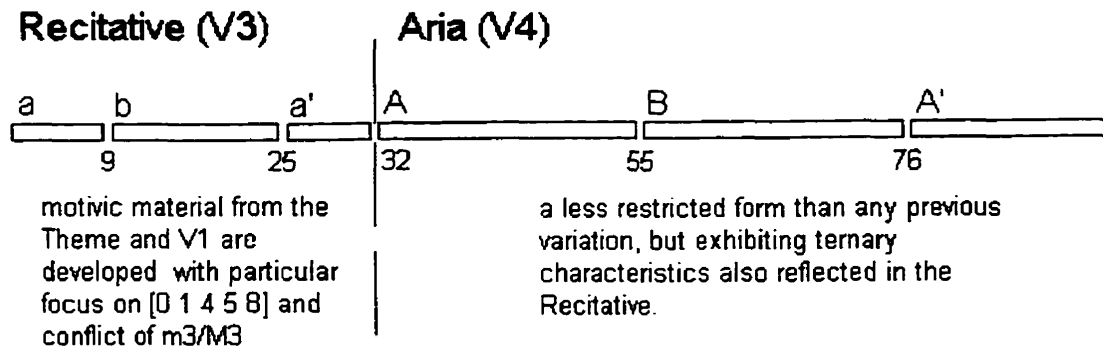


Figure 2. Overview of the First Movement

Figure 3. Overview of the Second Movement

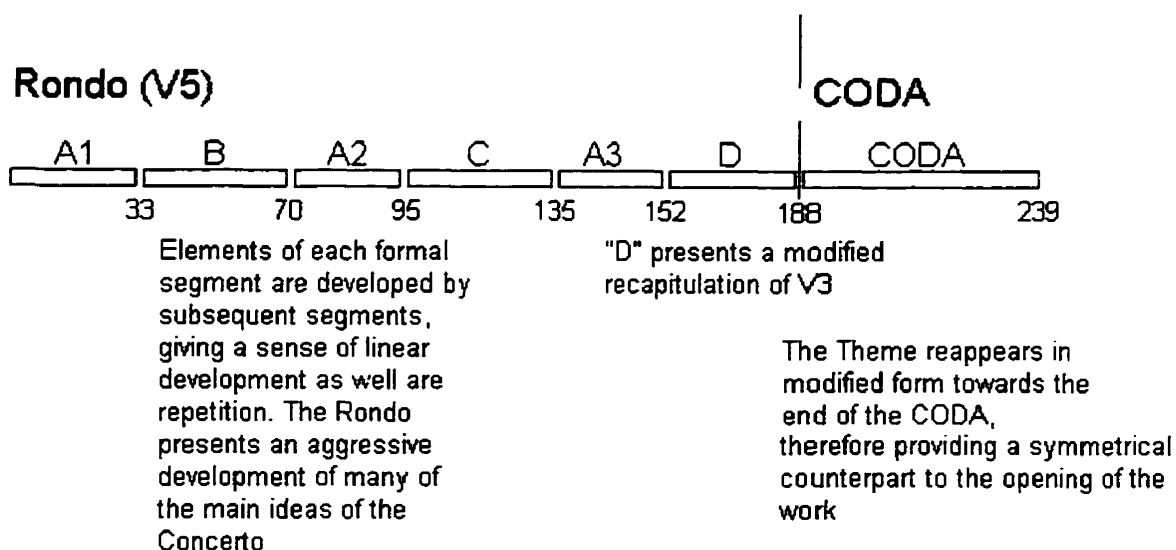


operatic pair after which they are named. Both the Recitativo and the Aria reflect the move toward tripartite organization which first appeared in V₂, in each case presenting a "recapitulation" which consists of a compression of preceding material. (Note that this idea of compressed recapitulation has already been suggested by the inclusion of the Recitativo as part of a symmetrical structure incorporating all of the first movement.) In the Recitativo, mm. 25-31 consist of a recombination of the main ideas presented in mm. 1-24. Similarly, mm. 76-88 of the Aria can be seen as a compression of materials presented between mm. 32-75. In general, the surface of the Aria does not yield itself to division as easily as the preceding variations do, giving it a more spontaneous effect. Upon closer inspection, however, some very logical divisions appear which were not consciously applied during the process of improvisation which created this music.

B3. Third Movement (Rondo) — see fig. 4

The third movement is cast in a fairly traditional *rondo* form based on materials from all the preceding variations, especially V₃ and V₄. V₄ appears in a modified

Figure 4. Overview of the Third Movement



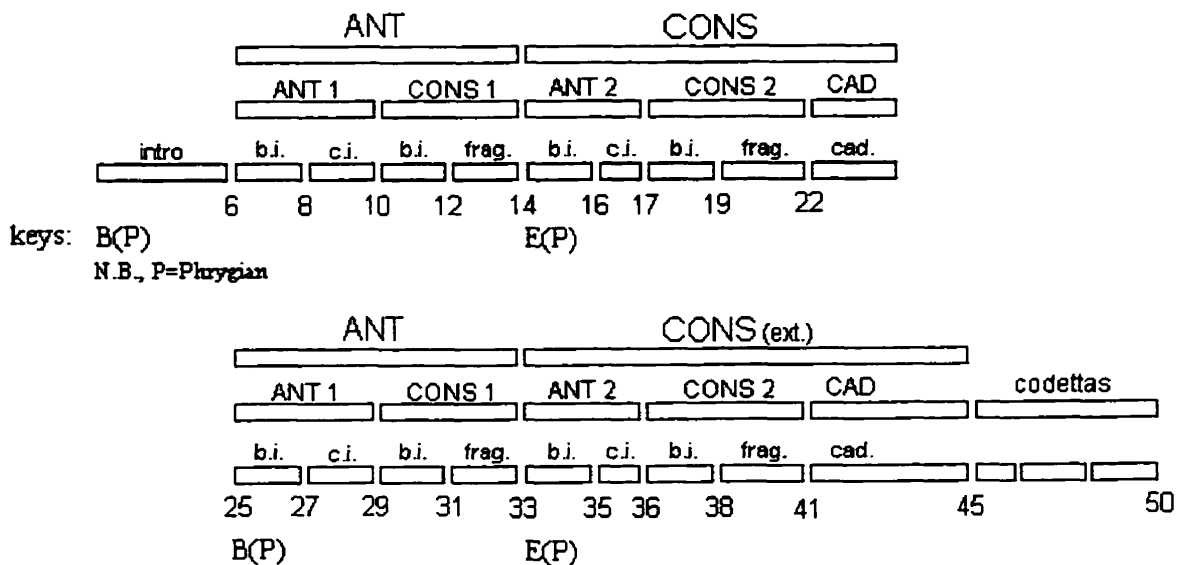
recapitulation at mm. 159-188, hinting at a tripartite form linking the second and third movements. In light of this, it is possible to conceive of an underlying quasi-sonata form in which the second movement is the exposition, iii:1-158 is development, iii:159-188 is the recapitulation, and 189-239 is a coda. In general, the third movement represents the highest level of development for all of the main ideas of the work, some explicitly presented, some used in structural roles to manipulate surface events. The recapitulatory nature of the second half of the movement is evident in the almost literal return of V_4 (as mentioned above) as well as an exposed fragment of the Theme (mm. 213-216). In contrast to the other movements, the Rondo is the only one consisting of a single variation, indicative of the trend towards longer variations as the work progresses.

C. Detailed Analysis

C1. First Movement (Theme and Variations)

C1.1 Theme — i:1-50 — see fig. 5

Figure 5. Phrase Structure of the Theme (i:1-49)



The Theme is a binary (a, a') unit, the second half being an orchestrated version of the first, harmonically expanded and slightly extended in length (mm. 41-2). A careful examination of mm. 6-24 reveals a large period consisting of a closely related antecedent (mm. 6-13) and consequent (mm. 14-24) outlining the keys of B Phrygian and E Phrygian, respectively. The consequent presents a slightly modified version of the antecedent, compressing the material from mm. 8-9 into a single measure at m. 16 and expanding the material of mm. 12-13 into four measures at mm. 19-22. In addition, the consequent concludes with a brief "cadential" gesture in mm. 23-24, providing a return to B Phrygian and a restatement of the large period.

At a lower level, measures tend to form smaller phrase units that reflect the larger period. For example, beginning at measure 6, a two-measure "basic idea" is presented, followed by a two-measure "contrasting idea" (=four-measure antecedent).

At measure 10, the basic idea returns in a slightly modified form, followed by a new two measure group derived from the development of scalar motives from the basic idea. The combination of these two phrases then creates a period whose consequent features modest development of the initial material, a feature shared with the large-scale period discussed above. This "sharing" of phrase structure is an important feature of the variation technique employed in this work and will be seen again in the course of analysis.

Aside from fragments of melody which will return in more or less recognizable statements in the piece (e.g., 1:133-136, clarinet; i:144ff, orchestra; iii:213-216), there are other features of the Theme which are essential to the creation of subsequent variations:

1. the use of alternating complete octatonic scales or tetrachord subsets ([0 1 3 4] and [0 2 3 5]) based on the same "tonic", taken from mm. 12-13, 19-22; related juxtaposition of [0 1 3] and its inversion (mm. 23-25, piano)

2. [0 1 4 5 8] (the juxtaposition of two triads whose roots are a major third apart; see m. 45-50) and its subset [0 3 4 7] (a major triad with added minor third; e.g., mm. 41-42, strings)

3. extensive use of fourths and fifths in the creation of melody and harmony (both local and structural)

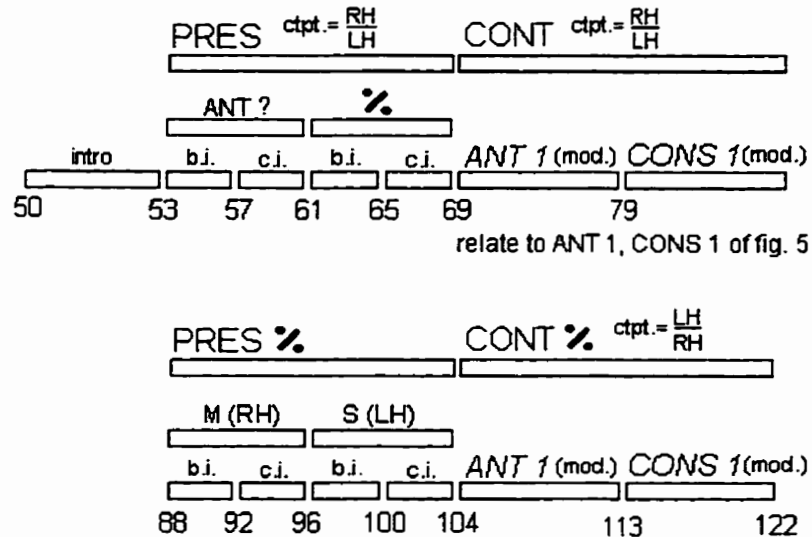
4. general melodic contours (i.e., wide intervals, relatively wide range)

C1.2 Variation 1 (V₁) — i:50-121 — see fig. 6

The first variation is elided with the end of the Theme and presents a contrapuntal development of the thematic materials. The minor sixth diad F/A from mm. 49-52 is maintained as the governing interval for the parallel writing in this variation. The characteristic harmonic device which results is the combination of triadic structures whose roots are a major third apart. For most of the variation, tonalities based on D and

F# are presented in this bitonal competition, at first simultaneously (mm. 53-68) and later separately (D: mm. 88-95, F#: mm. 96-103).

Figure 6. Phrase Structure of V₁ (i:50-121)



The formal structural of this variation is related to that of the Theme. Essentially, V₁ consists of two large formal units (mm. 53-87, mm. 88-121) which are virtually the same, the second of which provides a limited development of the first. As shown in figure 6, these two units can be seen in an antecedent-consequent relationship, each part of which is analyzed as a *sentence* (in the Theme, these were periods). The developmental features of the consequent can be seen in the new contrapuntal distribution of materials from equivalent places in the antecedent. The presentation phrase in mm. 53-68 is comprised of an 8-measure unit (mm. 53-60) which is repeated with expanded orchestration and the piano part transposed up an octave. With the exception of mm. 55-56, and 63-64, the piano plays material in parallel minor sixths

with tonalities loosely centered on D (RH) and F# (LH). When the presentation phrase is repeated in mm. 88-103, this simultaneous bitonality is removed and the "D-material" and "F#-material" are presented independently in the piano in mm. 88-95 and 96-103, respectively. In addition, the piano music of the first continuation phrase (mm. 69-87) is subjected to inverted counterpoint when it returns in mm. 104-121. As a final formal detail, these continuation phrases can be broken into periods with approximately equivalent component parts.

Between mm. 69-88 and again at mm. 104-121, recognizable segments of the Theme melody appear, first in the piano only, later doubled by the woodwinds (see ex. 1). The "interjections" which appear at mm. 76-78, 85-87, 110-112 and 119-121 are built from the music of mm. 23-24 and 43-44 of the Theme and will be developed as a feature of V_2 .

Some of the interesting features of the orchestral component of V_1 include the interplay of major and minor thirds, especially in the creation of common tone seventh chords (see ex. 2). In addition, the octatonic fragments introduced in the Theme frequently become part of the accompaniment (e.g., m. 55, cl.; m. 63, bsn., fl., picc., tpt.; m. 91ff, vln. I, tpt.). The configurational concept of alternating two distinct intervals also serves to create new non-octatonic gestures (e.g., m. 56, cl.; m. 64, tuba: alternating $m3/m2$; mm. 88-89, vc., vla.: alternating $M3/M2$; m. 89, vln. I: alternating $m3/M2$), a technique that will return as the work progresses.² The quasi-chorale brass writing at mm. 69-87 and mm. 104-122 serves to provide a foundation for the contrapuntal writing while reinforcing Lydian sonorities (added #11), #9 chords (+/- conflict over common root) and quintal/quartal harmonies featured in the Theme. As shown in example 3, the roots of the chords which begin and end the two segments of this progression reflect the tonalities of D and F# already discussed with the introduction of the "conflicting" minor third (F: m. 85) as well as the lower minor third to D, (B: m. 104). While the first segment of the progression (mm. 69-87) is essentially the harmonization of an ascending melodic line, the second (mm. 104-122) begins with a

Example 1. Thematic References in i: 113-118

ww

piano

113

Example 2. Intervallic relationships in i: 63-69. woodwinds

fl

cl

bsn

63

69

beginning here, bsn. and fl. tetrachords interlock using the pattern M3/m3/M3/m3/M3/m3

Example 3. root relationships between initial and final chords
in brass progression, i: 69-118

brass

root:	D	F	B	F #
mm.	69	85	104	117-8

Interval relationships:

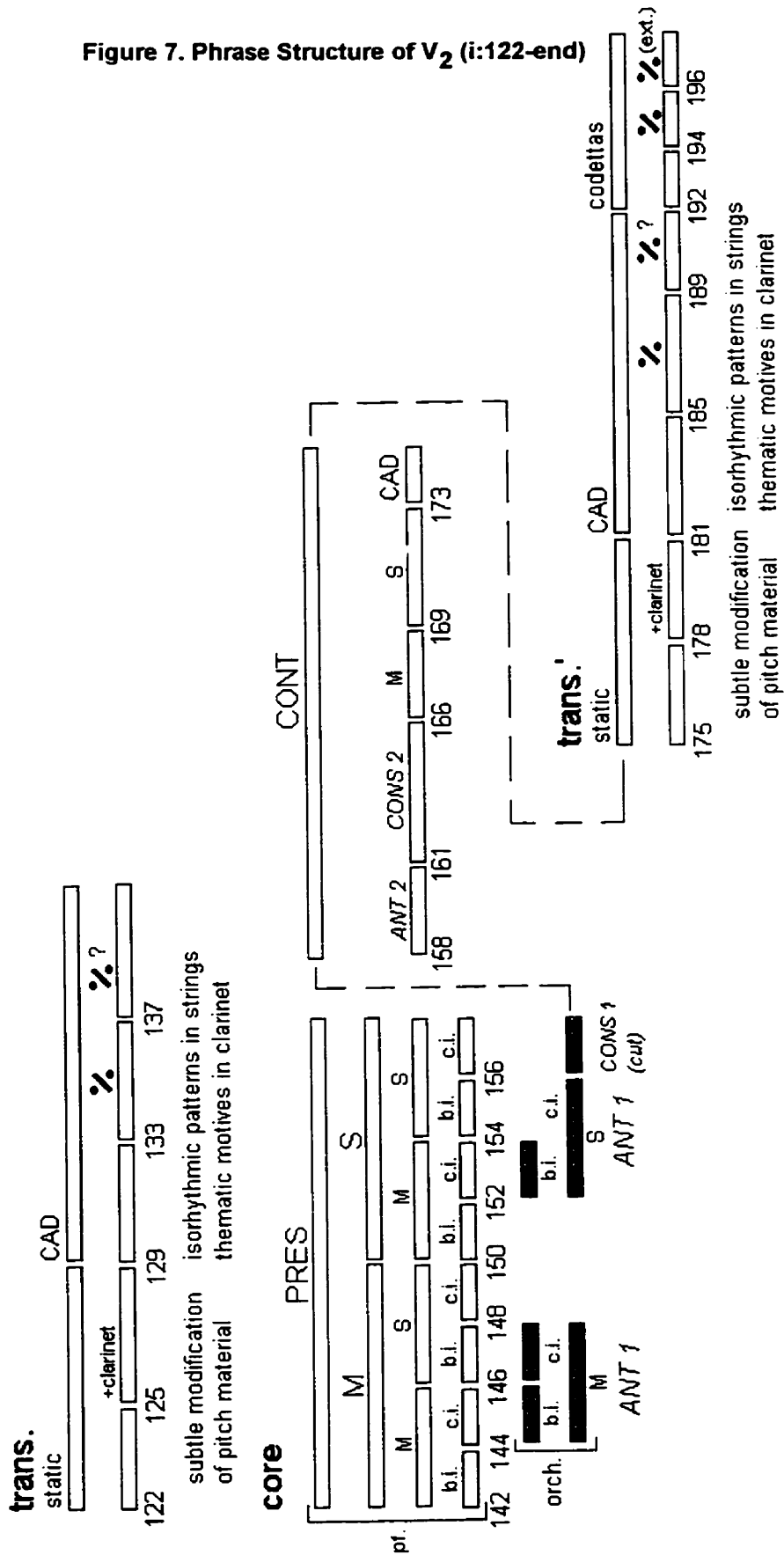
- +m3 between D (69) and F (85)
- m3 between F (85) and B (104)
- +M3 between D (69) and F # (117-8)

modified version of the main melody of the Theme. The final chord of the progression ($F\#MM^7$: m. 118) eventually shifts to become $f\#mM^7$ in keeping with the major/minor conflict of the harmonic writing, then is liquidated in the strings to the A/F diad (m. 120ff) with which the variation began. In measures 119ff, however, the piano continues to play G -flat as a neighbor tone against this diad, maintaining the $m3/M3$ conflict below the common tone A . An examination of the piano writing at 120-122 reveals F as the center of a symmetrical pitch structure based on reflections of the set $[0\ 1\ 3]$, relating it back to mm. 23 of the Theme.

C1.3 Variation 2 (V_2) — i:122-198 — see fig. 7

The second variation, V_2 , is the first part of the work which can be clearly divided as a tripartite (i.e., ABA) structure. The transitional material from mm. 122-141 returns in abbreviated form in mm. 175-191 while the central section (mm. 142-174) is the developmental *core* of the variation. The outer transitions are primarily based on the "interjection" material of V_1 (i.e., mm. 76-78 and similar), developing it and transforming it into the main gesture of the *core*. V_2 consists of a looser-knit formal structure than in either the Theme or V_1 . In addition to the clear large tripartite structure of the entire variation, there is a weaker tripartite form from mm. 142-174, suggested by the modified recapitulation of material beginning in m. 166. Given this, an argument could be made for the existence of a five-part symmetrical organization of V_2 in which mm. 158-165 is the center.

Figure 7. Phrase Structure of V₂ (i:122-end)



C1.3.1 V_2 "Transitions" (mm. 122-141, 175-198)

With the exception of some modifications to the end of the second "transition" which ends the movement, these two segments are virtually the same. The string orchestra writing in each is composed of a group of simultaneous scalar descents each characterized by a distinct pulse speed. Above this, the relatively static piano part undergoes gradual pitch alterations (mm. 122-128, 175-180) before adding its own set of scalar descents (mm. 129-136, mm. 181-188).³ The second part of each transition is at first strongly cadential (B-flat Aeolian in each case) before moving evasively into E Lydian (m. 141 and 191). The clarinet obbligato line present in each transition, although freely conceived in an improvisatory manner, presents fragments of the Theme in mm. 132-142 and again at mm. 184-195. The codettas in mm. 192-198 are reminiscent of m. 141-143 and serve to give the end of the movement a feeling of unresolved tension rather than a strong sense of closure.

The final sound of the movement is another combination of triadic sonorities separated by a major third, this time E/G# (E-G#-(B missing) + G#-B#-D#); the missing "B" is the original tonic of the movement and would yield the complete set [(0) 1 4 5 9]. A second incomplete [0 1 4 5 8] set is also created through the combination of the diad E/G# which is exposed at the end of the movement and the prominent F/A diad from V_1 : this time creating the [0 1 4 5] subset. The missing pitch C# is not exposed in any prominent way as either a surface element or tonal center in the first movement, but figures prominently in the third.

C1.3.2 V_2 "Core" (mm. 142-174)

The core of V_2 offers perhaps the most complex phrase design of the work up to this point: small model/sequence groups combine to form larger-level structures which themselves are subject to model/sequence operations. While the piano music initially

suggests one formal structure, the orchestra presents an opposing phrase organization which eventually overtakes that of the piano (by measure 158). When viewed from the largest perspective, the core consists of a 32 measure sentence: a presentation phrase (mm. 142-157) and a continuation phrase (mm. 158-174) which could alternately be seen as a continuation \Rightarrow cadential.⁴ As mentioned above, the music of measure 166ff suggests a momentary recapitulation of the presentation phrase, but modified significantly as the core comes to a close (mm. 169-174).

Throughout the core, the orchestra presents clearly recognizable material from the Theme (labeled in italics on figure 7 with labels that correspond to those in figure 5; i.e., *ANT 1* on figure 7 is related to *ANT 1* on figure 5). Rather than simply being repeated, the thematic material is subjected to modest development. For example, in measures 158-162, the celli and basses present an inverted form of the Theme, corresponding to the lowest voice of measures 14-19. In measures 166-175, the original material is augmented slightly through the integrated repetition of small motivic elements. The "cadential" chords of measures 173-175 in the strings correspond to those of measures 45-50.

As mentioned above, the piano tends to dominate the early part of the presentation phrase, but the phrase organization is eventually overtaken by the orchestra and the piano plays more of an obligato role as the variation progresses. Considering the piano part alone in measures 142-157, the phrase structure divides neatly into a large model (mm. 142-149)/sequence (mm. 150-157) pair, each of which also consists of a lower level model/sequence pair. The large model begins in E Lydian⁵, while the sequence repeats the material at the tritone: B-flat Lydian. This binary division with subtle development of the second part (provided by the orchestra) corresponds with the formal division of the Theme. The orchestral material, on the other hand, overlaps the divisions between model/sequence pairs and begins to form truncated yet competing phrase segments. These segments are carried on the transpositional wave of the large model/sequence in the piano material, resulting in a

repetition of material at the tritone. Specifically, there is an isolated four-measure antecedent phrase beginning in the trumpet and violin at measure 144, seeming to progress out of F Aeolian towards A Phrygian. This phrase repeats as part of the model/sequence at measure 152 but this time is extended with an abbreviated reference to measure 10ff. From measure 158-174, Thematic material is presented in a more aggressive fashion by the orchestra and the sense of phrase organization which it presents becomes perceptually dominant.

The section from 158-174 is less strictly controlled by formal convention than measures 142-157. It has elements of model (mm. 166-168)/sequence (169-172), but also of expansion as motivic cells from the Theme are developed (e.g., 168ff). In addition, measures 158-165 form an independent segment based on the second half of the Theme, a segment which is not repeated as seen in the presentation phrase. In general, the whole region from 158-174 is less stable, both in terms of the loose-knit phrase structure and high state of tonal flux. All of these characteristics are consistent with the traditional "continuation" phrase, especially when combined with the elements of closure which end the segment. The only key center with any degree of stability is that of A Lydian (mm. 158-161) which, when combined with the initial tonality of E Lydian (m. 142) reflects the perfect fourth transpositional relationship between phrases demonstrated in the Theme (B Phrygian-E Phrygian). The two component phrases of the sentential core of V_2 stand in a classic exposition-development relationship. This is particularly true of the piano writing where elements from the presentation phrase reappear in fragmentary fashion in the continuation.

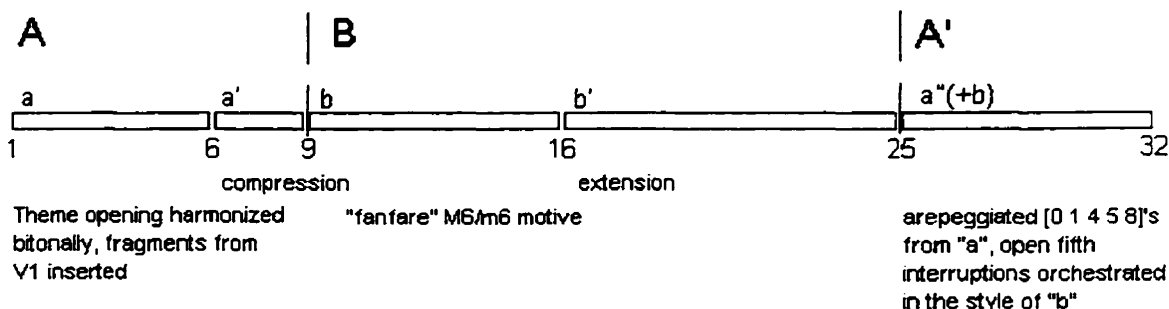
In contrast to V_1 , this variation exploits a local rhythmic tension between the piano writing and its orchestral counterpart. This is apparent in the polyrhythmic construction of several measures (e.g., 144-145, 152-153, etc.) as well as tension between phrase boundaries as discussed above. Despite the increasing organic growth of the form, the listener is still able to freely trace melodic/harmonic components of the Theme through to the end of the first movement. In addition, recognizable elements of

V_1 were carried over and developed in V_2 — a procedure that will function throughout the remainder of the work.

C2. Second Movement (*Recitative and Aria*)

C2.1 Recitative — ii:1-31 — see fig. 8

Figure 8. Phrase Structure of the Recitative (ii:1-31)



To call an instrumental movement a recitative is to set up certain expectations concerning its texture, gesture and drama. In this Recitative, the listener's attention is drawn to the piano soloist who is supported by relatively sparse events in the orchestra. In all cases, the orchestration grows directly out of doublings of the piano material, providing dynamic and textural shaping of sustained sonorities. The piano music itself is declamatory and impulsive, characterized by a flexibility of rhythm supplied by both the composer and the performer. It punctures the calm left by the end of the first movement and creates a contrasting ground for the introspection of the aria which follows.

As shown in figure 8, the Recitative is essentially cast in a tripartite (ABA') form with both A and B consisting of further two-part division (aa' and bb', respectively). In A, the first a consists of a bitonal (i.e., [0 1 4 5 8]) statement of the Theme (mm. 1-2)

combined with a fragment from V_1 (m. 4). The Theme melody returns with the same bitonal characteristic in a' (mm. 6-8), followed by a scalar flourish into B. In measures 9-10, alternating $M6/m6$ with common tones are used (resulting in [0 1 4] sets), followed by a fanfare-like series of sixths descending by $M3/m3$ steps. Measure 14 is adapted from *i:75 et al* and leads through a brief ascending flourish to an extended repetition of b in 16-24. In A' , the sixteenth-note material in the piano is developed from V_1 (*i:71-73*) and features an arpeggiated continuation of the [0 1 4 5 8] pitch organization seen in A. (see ex. 4) The final E-Major sonority in mm. 30-31 recalls the end of the first movement and points forward to the Aria. Because of the emphasis on development of material from the Theme and V_1 , the Recitative could be considered part of a five part symmetrical form encompassing the entire first movement (see. figure 1.)

Example 4. Use of [0 1 4 5 8] in ii:25-29

brass

[0 1 4 5 8]'s

modified

8vb

8vb

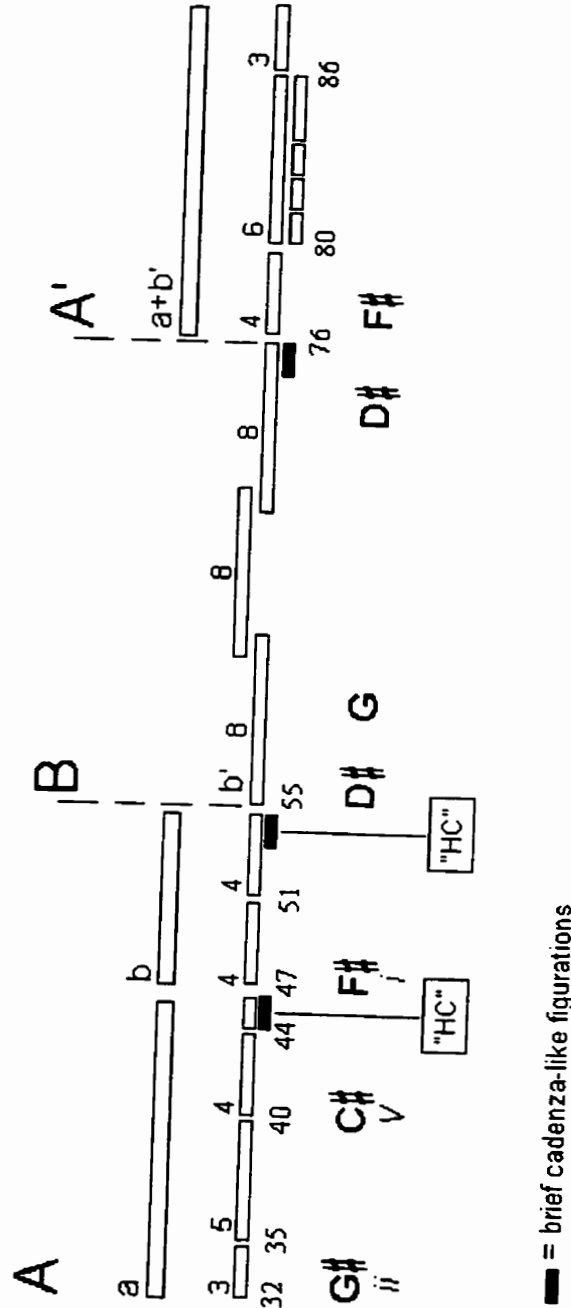
C2.2 Aria (V_4) — ii: 32-88 — see fig. 9

As mentioned above, the piano music in this section of the Concerto was improvised by the composer, subsequently transcribed and orchestrated. Initially, this was an experiment to examine subconscious processes in the act of improvisation. What analysis uncovers is an organically unfolding set of connected phrases supporting one long melody and moving through a logical progression of keys as shown in figure 9.

The three main sections of the Aria relate closely with one another except for the fact that the main melody from a (mm. 35-39) is withheld during the B-section, returning in mm. 76-79 (modified). Another structural feature is the use of brief pauses in the harmonic rhythm (m. 46, 54, 74-75) at the ends of formal segments, all of which have a quasi-"half cadence" effect (although only mm. 44-46 presents a real V in the governing key context). Whereas two distinct ideas are presented in A, B consists of three overlapping 8-measure phrases: that is, the phrases appear to be elided together, one taking off while the previous is ending (e.g., m. 62, m. 68). In A', elements of the original a and b are presented simultaneously rather than in separate phrases, although a true recapitulation is difficult to hear due to the ongoing modification of material.

Following a brief introduction in the strings based on [0 1 3] (mm. 32-34), the piano enters with music reminiscent of the figurations of V_1 and melodically related to the Theme through the permeation of shared sets (see ex. 5). The general approach to melody in the Aria is cellular — small melodic cells are gradually modified and expanded through repetition. As a result, certain intervallic contours and accompanimental gestures are maintained as the melody progresses, but ultimately the continued transformations blur any strong sense of phrasing. Phrase boundaries are generally defined by the appearance of nodes of decreased activity following which the melody continues to evolve.

Figure 9. Phrase Structure of the Aria (ii:32-end)



Example 5. Melodic set relations between the Aria (mm. 35-39) and the Theme (mm. 6-9)

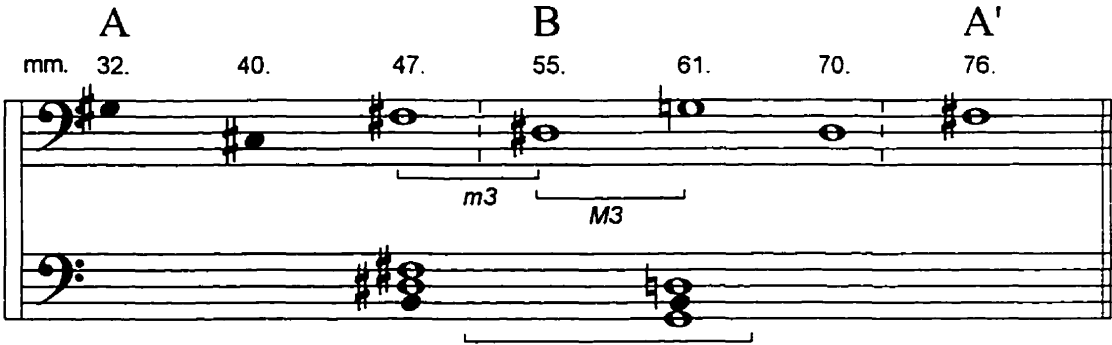
The image displays a musical score for piano and Theme, illustrating melodic set relations. The piano part is written in treble and bass clefs, while the Theme is in treble clef. The piano part includes annotations for fingerings (e.g., 6, 1, 0, 2, 7) and circled intervals labeled with set classes [0 1 6] and [0 2 7]. A 'minor triad' is identified in the piano part. The Theme part also features circled intervals labeled with set classes [0 1 6] and [0 2 7], and a 'minor triad' annotation. The piano part is marked with a piano dynamic (p).

sets [0 1 6] and [0 2 7] permeate both the Theme and the opening measures of the Aria

The harmonic implications of m.35 (piano) are familiar: major and minor thirds are presented above a common pitch — A-flat and A against F; D and E-flat against B. This major/minor conflict is an important feature of the harmony in this variation with prominent examples (frequently voiced as #9 chords) at m. 41ff (strings), m. 49 (piano), m. 53 (strings), m. 68 (piano), mm. 74-76 (tutti), mm. 87-88 (piano). This sound relates directly back to the Theme where the same harmony was given prominence in mm. 39-43. More recognizable references to the Theme occasionally appear, such as in mm. 45-46 (tuba), mm. 50-51 (tuba) and mm. 86-88 (flute), all of which quote i:23. For the most part, however, the relationship to the Theme remains ambiguous save for some harmonic references as discussed above and the general gestures of the melody.

The important key regions shown on figure 9 reveal an important symmetrical pattern (see ex. 6). The first stable key region (F#) is approached using a segment of the circle of fifths (i.e., ii-V). The B section features D# - G -D# as pitch centers before F# returns at the end of the Aria. When considered together, these keys display the M3/m3 conflict [0 1 4] which has been a surface feature of the work since the beginning. Taking into consideration the tonal center of B which opens and closes the entire work, another significant pattern of keys appears: D# and G are upper and lower M3's to B. This pattern would tend to strengthen the earlier suggestion that this variation lies at the center of a symmetrical formal scheme encompassing the whole Concerto. In addition, the pattern (g# - c#) - F# - D# - G - D# - F# is continued into the third movement where the initial pervasive pitch center is C#.

Example 6: Pitch centers of the Aria and their relationships



pitch centers form [0 1 4 5 8] set when combined with overall B-tonality of the work

Figure 10. Phrase Structure of the Rondo (ii)

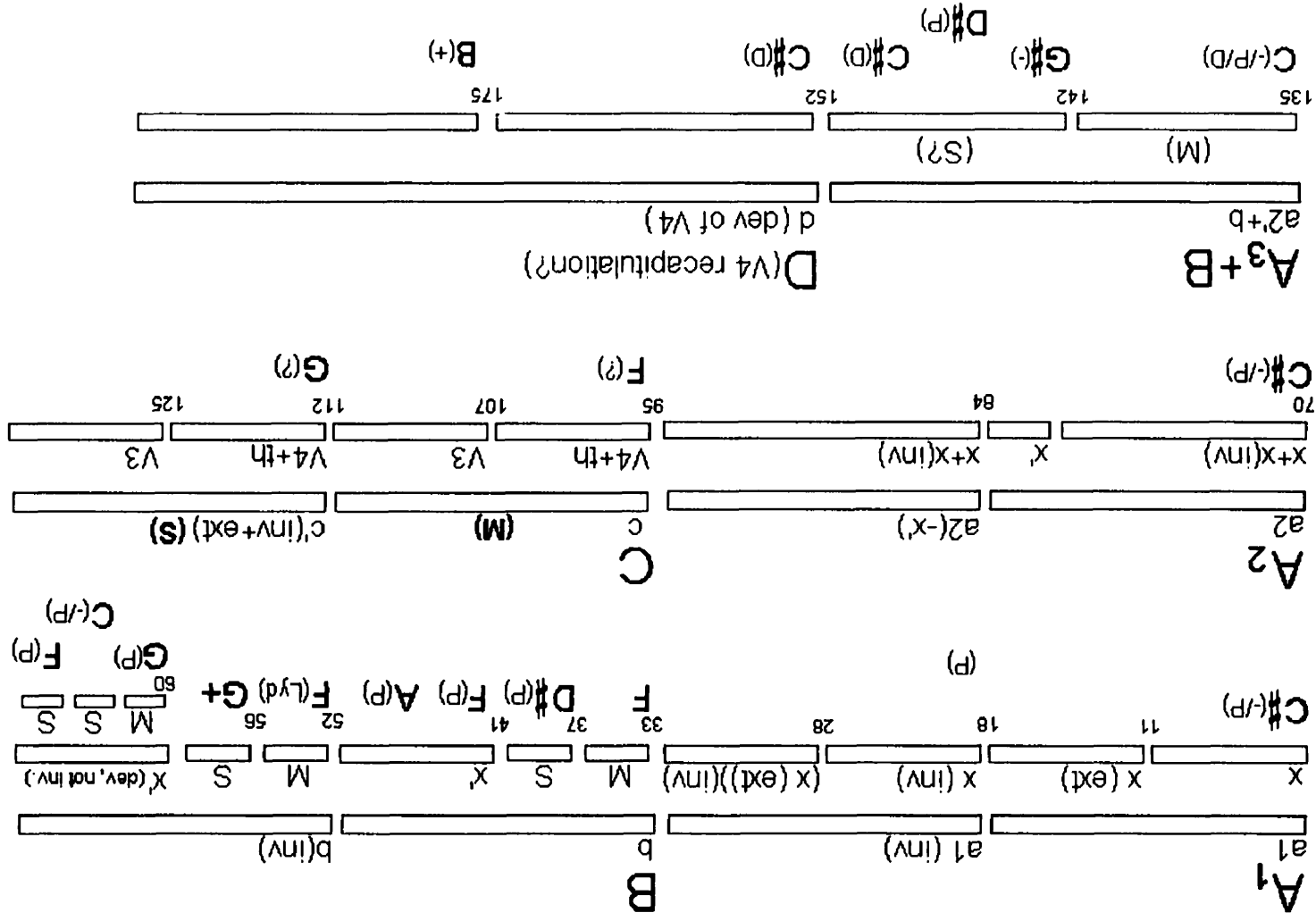
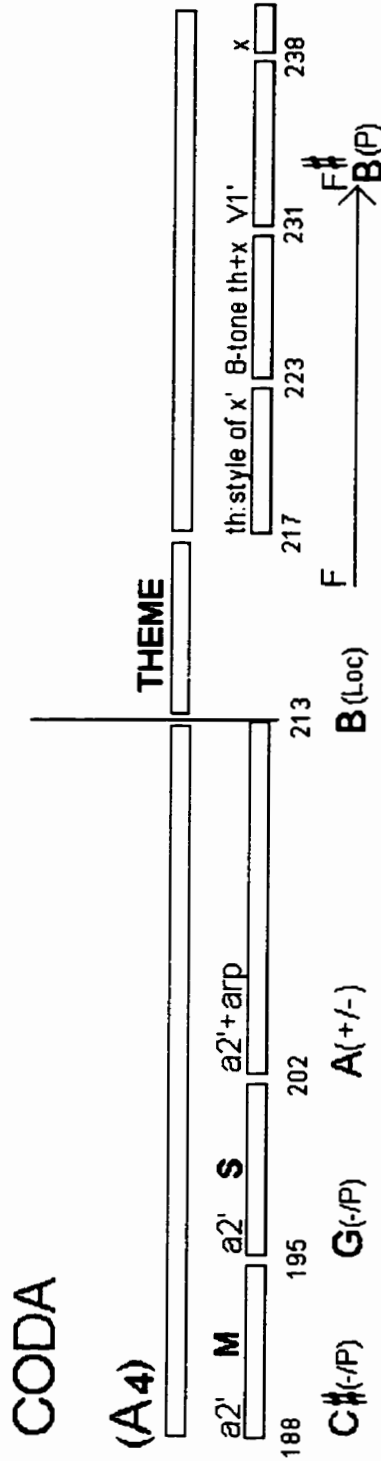


Figure 10. (continued)

Fig. 10 (cont'd)



modes are shown in parentheses following tonic name:

+ = major (ionian), d=dorian, p = phrygian, lyd = lydian, mix = mixolydian, - = aeolian, loc = locrian, ? = unclear in the case of polymodality, modes are separated by a slash

V labels refer to source material used in local development

Example 7. Melodic relationships between the Aria and Rondo

Ex. 7a. Rondo (mm. 1-3), piano) vs. Aria (m. 35ff, piano)

Ex. 7a shows two musical staves. The top staff is labeled 'Rondo' and contains a melodic line in 3/4 time with a treble clef and a key signature of one sharp (F#). The bottom staff is labeled 'Aria' and contains a melodic line in 3/4 time with a treble clef and a key signature of one flat (Bb). A bracket connects the two staves, with the text 'contour of Aria A-melody retained and developed' written below it. The Rondo melody starts with a quarter rest, followed by a quarter note G4, a quarter note A4, a quarter note B4, a quarter note C5, a quarter note B4, a quarter note A4, a quarter note G4, and a quarter note F#4. The Aria melody starts with a quarter rest, followed by a quarter note G4, a quarter note A4, a quarter note B4, a quarter note C5, a quarter note B4, a quarter note A4, a quarter note G4, and a quarter note F#4.

Ex. 7b Rondo (mm. 98-9, 103-106, piano) vs. Aria (mm. 55-59, piano)

Ex. 7b shows two musical staves. The top staff is labeled 'Rondo' and contains a melodic line in 3/4 time with a treble clef and a key signature of one sharp (F#). The bottom staff is labeled 'Aria' and contains a melodic line in 3/4 time with a treble clef and a key signature of one flat (Bb). A bracket connects the two staves, with the text 'melodic material related by inversion' written below it. The Rondo melody starts with a quarter rest, followed by a quarter note G4, a quarter note A4, a quarter note B4, a quarter note C5, a quarter note B4, a quarter note A4, a quarter note G4, and a quarter note F#4. The Aria melody starts with a quarter rest, followed by a quarter note G4, a quarter note A4, a quarter note B4, a quarter note C5, a quarter note B4, a quarter note A4, a quarter note G4, and a quarter note F#4.

C3. Third Movement — (Rondo) — see fig. 10

C3.1 Overview

The majority of the third movement (V_5) unfolds as a Rondo whose material is based most recognizably on motives from the Aria (V_4) (see ex. 7), but also includes development of other main features of the work. As the ritornello sections (A) return, they are persistently developed: aside from motivic and contrapuntal development, A material is sometimes compressed (as in mm. 70-95) or combined with episodic material (as in mm. 135-151). As features are introduced in the formal progression, some are maintained and transplanted into subsequent segments of the form (e.g., the reappearance of the material in mm. 4-6 (winds) in various transformations: mm. 41-49, 60-67, 191-201, etc.) The forward movement of the Rondo is temporarily cut short by episode D (mm. 152-187) which is comprised of a developed recapitulation of a large segment of the Aria (V_4). The final A contains primitive assertions of the ritornello material (mm. 188-208) and is interrupted by an almost literal fragment of the Theme (mm. 213-216, modified to B Locrian from B Phrygian). Measures 217 to the end form a CODA that fuses a rapid octave statement of the Theme with octatonic passage-work in the winds and strings. Following a brief suspension of momentum (mm. 231-237), a two-measure fragment from A pounds the movement to a close.

C3.2 Formal Details

The initial phrase organization of the Rondo is relatively tight-knit, loosening considerably as the movement progresses (a feature also noted in the first movement). The first A is comprised of two inversionally related phrases (mm. 1-17, 18-32), each of which also contains two equivalent phrases, the second an extended version of the first. Except for the inversional relationship, this general phrase organization compares directly with that of the Theme. Melodically, the piano and winds develop material derived from the end of the Aria (ii:76-79, piano, top voice; ii: 86-88, flute) through repetition and extension. The orchestral "shots" (e.g., m. 1, 4, etc.) are [0 1 3]-based

and are constructed using inversive processes (see ex. 8). The [0 1 3] set also plays a role in the composition of much of the scalar passage-work as demonstrated in example 9: [0 1 3] groups are chained together using [0 1 3] to control the interval of linkage between groups. One other feature worth noting is the relationship between the chromatic octave passage in m. 4 (piano) and the clusters of m. 8. The collection of melodic patterns into chordal events features prominently in the construction of material in C and elsewhere and will be discussed below.

Example 8. Inverted counterpoint involving [0 1 3] sets in the Rondo (mm. 1-4)

The image shows a musical score for two staves labeled 'orch.' (orchestra). The score is divided into two sections by a dashed line. The first section shows four [0 1 3] sets labeled W, X, Y, and Z. The second section shows the same sets inverted in pairs. Below the score, two labels indicate the inversions: 'Inversion of all 4 [0 1 3] elements' and 'Inversion of [0 1 3] elements in pairs'. The word 'etc.' is written at the end of the second staff.

Example 9. Use of [0 1 3] sets to form scalar material (Rondo: mm. 6-8)

The image shows a musical score for two staves. The top staff is labeled 'ww/vln' and the bottom staff is labeled 'link intervals'. The top staff contains a sequence of notes with interval numbers above them: 0, 1, 3, 0, 1, 3, 3, 1, 0, 3, 1, 0, 3, 1, 0. The bottom staff shows the corresponding link intervals. Below the score, a caption reads: 'The interval vector of [0 1 3] (i.e., semitone+tone+tone) is used to link together a chain of [0 1 3] sets'.

The B section consists of a similar pair of phrases, the second inversionally related to the first. Unlike A_1 , model/sequence technique controls the repetition of phrase segments, giving the episode a developmental profile. In m. 33-4, the piano has an F Phrygian ascent in the RH accompanied by quartal trichords descending by major third root movement. The parallel m3 descent in the next two measures is a hybrid octatonic/chromatic scale leading to a repetition of the initial phrase transposed down a M2. The second part of this phrase (mm. 39-40) has been modified, however, to contain strict octatonic collections in each hand, this time in parallel M2's. As discussed above, the passage from 41-49 borrows m. 4-6 from A_1 , and liquidates it in the course of repetition. Between mm. 52-69, the first large phrase of B (i.e., b) is repeated in a slightly modified fashion. Measures 52-59 present an inverted form of mm. 33-39 including inversion of the counterpoint (with alteration of the quartal accompaniment in mm. 52-3, 56-7). In contrast with A_1 , the material from 60-67 does not invert the corresponding material from mm. 41-49, but rather develops it through model sequence repetition at the perfect fourth (mm. 60-65) and eventually liquidation (mm. 66-7). As further development, woodwind parts are added between mm. 60-67 based upon transpositions of the familiar bitonal collection [0 1 4 5 8] which are also subject to model/sequence and liquidation. The [0 1 4 5 8] sound is passed to the brass in mm. 67-70, resulting in the F+/A+ combination so important in V_1 .

A_2 uses the same motivic material in the piano as A_1 , but this time, inversions of the main A melody are presented simultaneously rather than in independent phrases, coupled with canonic imitation in the basses. Canons are also present between the flutes and clarinets (composed with residual material from B) as well as in the string writing between mm. 71-77 and 84-92. These two latter string passages present a development of material found in B (compare mm. 33ff (piano)), indicative of the pervasiveness of musical ideas across formal boundaries seen throughout the work. At measures 78-82, the violins presented a rhythmically diminished of material presented simultaneously in the piano, stated in parallel M3's. At measure 83, there is a brief

reference to the "fanfare" figures of the Recitative built on the bitonal combination of triads separated by a M3. Measures 84-95 present a repetition of the preceding phrase (70-83) in which the piano and basses remain at the former pitch level, but the upper strings are restated at various levels of transposition (e.g., vln 1: +m3 in mm. 84-88; unis. in mm. 89-92; and +M3 in mm. 93-94). A new triadic accompanimental figure has also been added in the clarinets and bassoons, beginning in measure 84.

Example 10a. Brass chord (Rondo m. 95) derived from Theme

tp/hn, Rondo: m. 95

pitch collection
[0 2 4 7]

Theme opening [0 2 4 7] (Aeolian)

Example 10b. Harmonization of Aria melody using Theme-derived aggregates

ww., Rondo mm. 97-98

[0 2 4 7]

[0 2 3 7]

Theme opening [0 2 3 7] (Phryg.)

Section C is also composed of a pair of phrases (mm. 95-111, 112-134), the second of which is a slightly developed version of the first. The repeated pitch sixteenth-note gesture in the brass (mm. 95-96) which calls attention to this section of the form was alluded to in the previous episode (B), measures 67-68, but is exchanged between the brass, percussion and piano in C. The pitches of this initial sixteenth-note gesture are drawn from the Theme as shown in example 10a and initiate an antiphonal

restatement of melodic material from the Aria (see. ex. 7b). This melody is harmonized by parallel aggregates which are also created from the first four notes of the Theme (see ex. 10b). In measures 107-111, direct reference is made to the material of the Recitative (compare mm. ii: 8-12, for example), merged with the new chordal formations of the first part of C. In the second large phrase of C (mm. 112-134), the same musical components are maintained, but the texture is augmented with more aggressive development in the strings of the new thematic aggregates.

The densest amalgamation of pre-existing materials occurs in A_3 (mm. 135-151) where many elements of the Rondo are fused together in a small space, details of which are listed below:

1. The "ritornello" material is presented in the piano in simultaneous inversion (as in A_2), but also with a canon between hands (in A_2 , the canon was divided between the piano and basses). For the first time, this piano material is accompanied by the percussion—a partnership that will reappear towards the end of the movement.

2. The strings play a canonic version of material from B (seen also in A_2) with woodwind doublings, supported by the horns which play the quartal counterpart to this material (compare mm. 33-34, piano LH, inverted).

3. The woodwinds (mm. 141-151) continue to state arpeggiated forms of the Thematic aggregate introduced in C.

4. Dotted-note "fanfare" gestures accent the texture in mm. 139, 145-6, 147-151. reminiscent of C and, by extension, the Recitative.

5. The reiterated 16th-note brass gesture from C is used in mm. 147-149, built upon the bitonal [0 1 4 5 8] collection.

After all of this accumulation of musical ideas, the next episode (mm. 152-187) provides a moment of relief while revisiting material from the Aria. The triadic accompanimental material (mm. 152-159, cl., bsn.; mm. 159-187, vlins., vla.) was introduced in A_2 (m. 84ff, ww.), but is further developed in D. When the piano re-enters

in measure 159, it does so with a degree of rhythmic independence related to V_2 , although its music is a restatement of parts of the Aria. Compare:

1. the top voice of iii: 159-162 with the flute in ii: 86-88
2. iii: 163-170 (piano) with ii: 38-43 (piano, fl., cl.)
3. also, iii: 177-187 (ww., piano) with ii: 47-50 (piano, cl.)

In the accompanimental texture of D, elements of A are also maintained, although given less profile. For example:

1. 152-167, bsn., vc., cb: melodic fragment of A as cantus firmus (compare mm. 1-2, piano)
2. 166-171, picc., fl., hn: modification of A melody (compare mm. 4-6, ww.)
3. 171-175, piano *et al*: semitonal clusters ([0 1 3] + I[0 1 3]) from orchestral "shots", mm. 1ff.

Finally, fragmentary reference to the Theme is made in the ascending and descending [0 1 3] trichords of mm. 171-174 in the viola and violins, respectively (compare i:12-13, for example).

Beginning in measure 188, the aggressive piano/percussion partnership of A_3 returns (mm. 188-190) coupled with antiphonal block writing for woodwind, brass and string choirs. Measures 191-194 relate directly to mm. 21-23 (ww), written in the *martellato* style of mm. 41ff. Taken as a model, measures 188-194 are sequenced up to become mm. 195-201. What begins as a second sequence at measure 202 is interrupted by the arpeggios of 203-204 (note the LH fanfare borrowed from V_3) and again at mm. 206ff and eventually gives way to a four measure Theme reference beginning in measure 213.

The final drive of the movement begins in measure 217, a passage which presents an octave version of the Theme followed by an octatonic descent (mm. 217-231, piano), all accompanied by octatonic runs in the winds and strings. An allusion to the sixth-interval fanfare material (cf. V_3 , Rondo: C, etc.) in 231-232 suspends the motion momentarily until the work comes to a close with a cluster fragment from A_1 .

D. Conclusions

Although the musical language of the Concerto is fairly conservative, it represents a careful and creative application of essential musical techniques: counterpoint, harmony, melody, rhythm, motivic development, manipulation of texture, orchestration and form. It is perhaps in the last of these applications — form — that the Concerto makes its greatest contribution. The partitioning of a set of continuous variations into three contrasting groups allows the work to fulfill a three-movement expectation of traditional form while providing continuity and linear development at the structural level. As the analysis has shown, other inter-variation links suggest the superimposition of alternate forms, helping to overlap the spaces between "movements". Through the progress of the work, the Theme is pushed farther and farther into the distance, but it still affects the outcome by virtue of the fact that its "offspring" have acted as new ideas for development. When it is brought back in recognizable form at the end, it too has been changed, reflective of the stresses under which it has been placed in the course of development.

The point of the form is not that of a traditional set of variations either. It is unlikely that the listener will make conscious references backwards to the Theme at all times, but they *will* sense an organic growth of material — the constant transformation of locally introduced material — and be engaged in the journey away from the Theme. In a sense, this is how the work began as an improvisatory *seed* — the Aria. In the process of improvisation, small ideas are introduced, repeated and transformed into new ideas. The logic of such a process can be uncovered in analysis, or composed onto the page as a series of conscious decisions. This Concerto represents both approaches.

Endnotes

1. Although most of Jarrett's "Solo Concerts" demonstrate this type of development, three particularly good examples are Kyoto (ECM 1100), Lausanne (ECM 1037) and La Scala (ECM 1640).

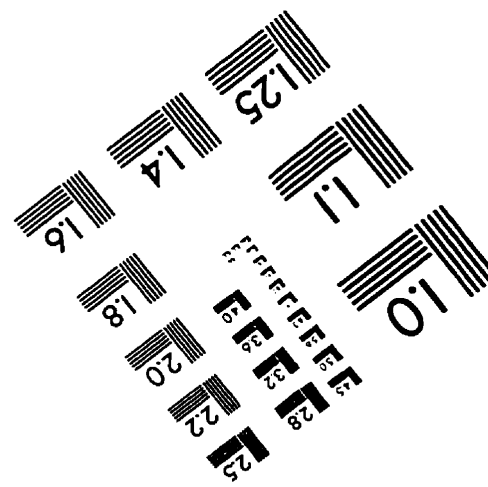
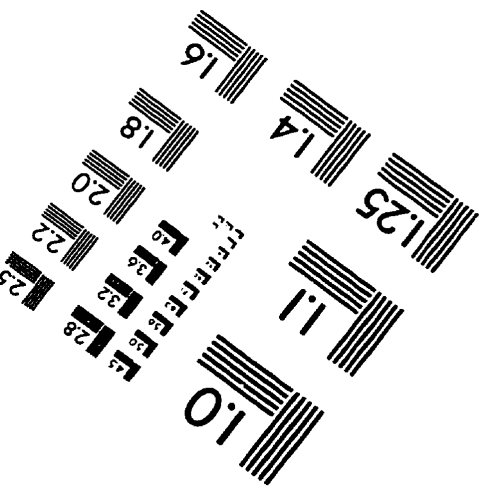
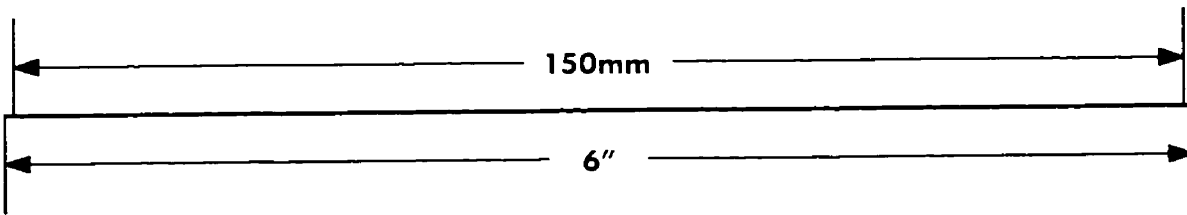
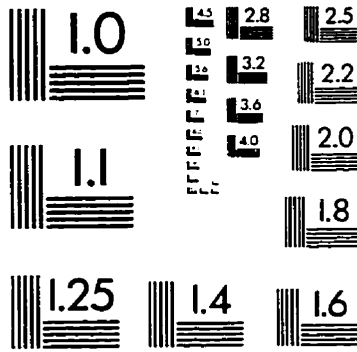
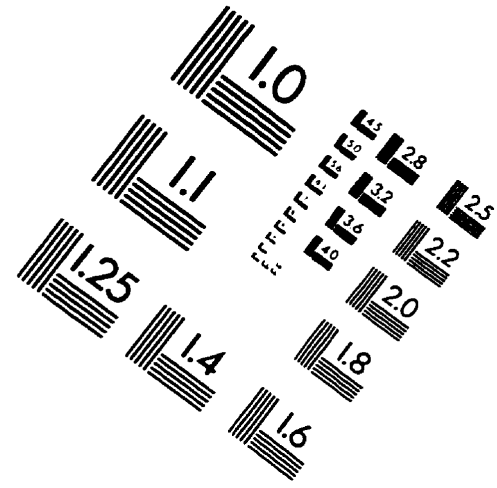
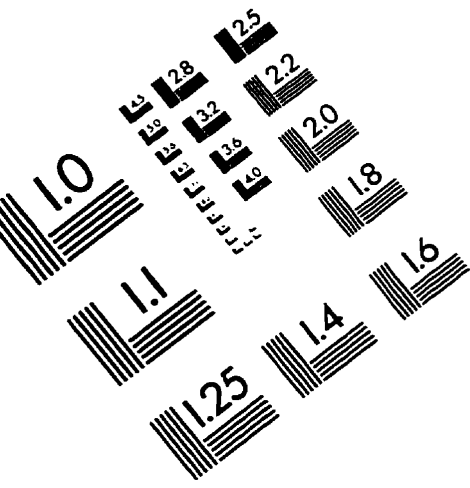
2. The alternation of two distinct intervals used to create a set of pitches is also a feature of the pervasive major/minor triad conflict based on a common root (i.e., $m3-m2-m3$). Another example can be found in the Aria, m. 54 (piano): a $p5-m2$ cycle.

3. The second "Transition" is not an exact repetition of the first. Aside from the modification of the overall phrase structure, the primary melodic descent in the piano material of mm. 181-188 is accelerated to cover a larger range, for example.

4. The concept of continuation \Rightarrow cadential is defined by William Caplin as a phrase in which cadential function "vies for equality of expression with, or even predominance over, continuation function". (Caplin, William E. *Theory of Formal Function*, unpublished. p. 3.22)

5. Although certain regions are based on localized pitch centers, this variation exhibits considerable harmonic flux, mostly due to the extensive use of model/sequence technique. This instability coupled with ongoing fragmentation and repetition of material gives this variation a "developmental" feel, hence the term *core* which Caplin uses to define large developmental segments of sonata form.

IMAGE EVALUATION TEST TARGET (QA-3)



APPLIED IMAGE, Inc
1653 East Main Street
Rochester, NY 14609 USA
Phone: 716/482-0300
Fax: 716/288-5989

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