Andrews University Digital Commons @ Andrews University

Honors Theses

Undergraduate Research

2011

Performance Analysis of Beethoven's Violin Sonata Op.23: Freedom of Interpretation in Passages of Formal Anomaly

Arielle E. Cady Andrews University, cadya@andrews.edu

Follow this and additional works at: https://digitalcommons.andrews.edu/honors

Recommended Citation

Cady, Arielle E., "Performance Analysis of Beethoven's Violin Sonata Op.23: Freedom of Interpretation in Passages of Formal Anomaly" (2011). *Honors Theses*. 5. https://dx.doi.org/10.32597/honors/5/ https://digitalcommons.andrews.edu/honors/5

This Honors Thesis is brought to you for free and open access by the Undergraduate Research at Digital Commons @ Andrews University. It has been accepted for inclusion in Honors Theses by an authorized administrator of Digital Commons @ Andrews University. For more information, please contact repository@andrews.edu.



Seek Knowledge. Affirm Faith. Change the World.

Thank you for your interest in the

Andrews University Digital Library

Please honor the copyright of this document by not duplicating or distributing additional copies in any form without the author's express written permission. Thanks for your cooperation. J.N. Andrews Honors Program

Andrews University

Honors Thesis

Performance Analysis of Beethoven's Violin Sonata Op. 23:

Freedom of Interpretation in Passages of Formal Anomaly

Arielle E. Cady

April 1, 2011

Advisors: Trina Thompson, primary

Carla Trynchuk, secondary

Primary Advisor Signature:_____

Department: Department of Music

CONTENTS

Abstract

3

Introduction

4

History

4

Formal Anomalies

7

Performance Analyses

12

Results

16

Personal Performance Choices

17

Bibliography

19

Appendices

21

Abstract

"Performance Analysis of Beethoven's Op. 23: Freedom of Interpretation in Passages of Formal Anomaly"

Beethoven's Violin and Piano Sonata Op. 23 in A minor is a multi-movement sonata that has three unexpected formal events: two occurring in the *Presto* (movement one) and one in the *Allegro Molto* (movement three). These formal anomalies, discovered through the creation of form diagrams, present potentially challenging moments of interpretation for performers. The question this project addresses is whether or not the three areas of formal anomaly allow performers more freedom in personal interpretation than normative formal events. The results of this research show that performers do take additional freedom in interpretation during such unexpected formal events.

INTRODUCTION

Ludwig van Beethoven's violin sonata Op. 23 is often regarded as "the wayward stepchild among Beethoven's violin sonatas..."¹ The main key of A minor, which creates a melancholy mood, along with the work's abrupt thematic changes may contribute to this assessment. That being said, Op. 23's unique features make it an interesting and challenging piece to study and perform.

HISTORY

Beethoven (1770-1827), born in Germany, has become one of the most influential composers of all time. He extended the Classical tradition, of which Haydn and Mozart were a part, and later was able to combine this tradition with innovative ideas that led to unheard of musical advances in compositional style.²

Beethoven's musical compositions have been classified into three periods. The Early Period spans the years up to 1802, the Middle extends from 1802-1812, and the Late from 1813-1827. ³ Beethoven wrote Op. 23 during the years 1800-1801, which were the last years before the beginning of the Middle period. Only two of Beethoven's violin sonatas were written for specific people; Op. 12 dedicated to Salieri and Op. 23 dedicated to Count Moritz von Fries.⁴ Joseph Kerman writes "from 1800 to 1802 [Beethoven] produced at high speed a series of

¹ Lewis Lockwood, "On the Beautiful in Music: Beethoven's 'Spring' Sonata for Violin and Piano, Opus 24," in *The Beethoven Violin Sonatas: History, Criticism, Performance*, eds. Mark Kroll and Lewis Lockwood (Chicago: University of Illinois Press, 2004), 26.

 ² Joseph Kerman, "Ludwig van Beethoven," *Grove Music Online. Oxford Music Online*, http://www.oxfordmusiconline.com/subscriber/article/grove/music/40026 (March 2011).
 ³ Ibid.

⁴ Paul Nettl, *Beethoven Encyclopedia* (New York: Philosophical Library, 1956), 295.

increasingly experimental pieces which must be seen in retrospect as a transition to the middle period." ⁵ Op. 23 falls directly into this category both because of when it was composed and because of the "experimental" details of the piece, especially those having to do with form.

Beethoven's Early Period has been characterized as a time when he developed a unique compositional style. Beethoven's music during this time followed the basic style of Haydn and Mozart though he began to take his compositions a step beyond typical expectations. Kerman describes this breaking free of tradition as "the time when Beethoven began to show signs of dissatisfaction with some of the more formal aspects of the Classical style and reached towards something new."⁶ Beethoven had been following the conventions of the time and was proficient in those styles, yet he yearned for more. Lewis Lockwood writes,

By the 1790's Beethoven had learned enough from both Mozart and Haydn to see that his own path to the future lay no longer in assimilating but in augmenting their methods and achievements with his own innovations, despite occasional bluntness and rough edges.⁷

With this in mind, the style of Op. 23 is fascinating because it was composed during this time of exploration. "In musical inventiveness and expressive string writing Op. 23 shows a great advance over the Op. 12 sonatas. . . " explains Paul Nettl.⁸

Op. 23 has three aspects that show Beethoven's use of compositional innovation. The key of A minor is the first of these because the use of the minor mode as the main key was not

⁵ Ibid.

⁶ Joseph Kerman, "Ludwig van Beethoven" (March 2011).

⁷Lewis Lockwood, *Beethoven The Music and the Life* (New York: W. W. Norton and Company, 2003), 174.

⁸ Nettl, 295-296.

prevalent in his violin sonatas before 1800. Lockwood comments that the word's, "primary key, A minor, is as rare for [Beethoven] as it had been for Haydn and Mozart."⁹

The second characteristic has to do with Op. 23's pairing with Op. 24. Op. 24, conventionally known as the "Spring" sonata¹⁰ is written in A major and has a more lyrical sense to it rather than the tense nature of Op. 23.¹¹ Joseph Szigeti explains that Beethoven meant for the two to be a set because they complement each other in both key and temperament. Szigeti continues, "no greater contrast can be imagined than between the peremptory A minor dictum and the ingratiating long line of Op. 24.²¹² Beethoven also wanted them to be published together. Nettle comments that the sonatas "were advertised in this arrangement by Mollow in October of 1801, and there is a copy of the Op. 24 which is labeled number two," showing that the composer did intend them to be a pair. Exactly why the two were never published together is unknown.¹³

In addition to these unusual characteristics, there are the sonata's formal and thematic innovations, moments when musical events don't follow stylistic formal expectations. While studying the form of this piece, I found that there were several rather unusual occurrences. Through the creation of form diagrams, I identified three areas of formal anomaly where Beethoven broke with the traditional expectations of form and ventured in new territory—a move that demonstrates the shift between the end of the Early Period and the beginning of the Middle Period.

⁹ Lockwood, "On the Beautiful in Music," 26.

¹⁰ This title was not given by the composer himself, but was in use by 1860 (Lockwood, 24). ¹¹ Ibid., 24.

¹² Joseph Szigeti, *The Ten Beethoven Sonatas for Piano and Violin* (Urbana: American String Teachers Association, 1965), 14.

¹³ Nettl, 295.

FORMAL ANOMALIES

In the Classical period, sonatas typically consisted of three movements. The first movement was moderately fast, the second was slower, and then the third was the fastest and lively.

Op. 23, as expected, has three movements, but Beethoven differs slightly from the typical expectations when he marks the first movement as *Presto*, Italian for "quick." This tempo marking makes the first movement the fastest out of all three. Lockwood comments on this tempo marking "the sonata opens with a Presto in 6/8 time, a tempo and meter that he usually reserves for finale," agreeing this was an odd choice by Beethoven.¹⁴

Sonata form is one of the fundamental musical designs of the Classical Period. The first movements of sonatas, symphonies, and chamber music are usually composed in this foundational structure.¹⁵ The substructure of the form revolves around certain expectations that where solidified during the Classical Period. Hepokoski and Darcy write that "sonata form is neither a set of 'textbook' rules nor a fixed scheme." They explain that "the model . . . crystallized during the second half of the eighteenth century and . . . reached a peak in the mature words of Haydn and Mozart and the early works of Beethoven."¹⁶

It is important to understand that Op. 23 was composed with the conceptual ideas of sonata form in mind because its formal anomalies can only be recognized with reference to this model.

¹⁴ Lockwood, 26.

¹⁵ James Hepokoski and Warren Darcy, *Elements of Sonata Theory* (New York: Oxford University Press, 2006), 14.

¹⁶ Ibid., 15.

In order to depict each movement's formal detail, I created form diagrams that show themes, tonal area, and other relevant structural details. (Form diagrams for the first and third movements are reproduced in Appendix 1.)

The first two movements are considered examples of sonata form, meaning they are expected to have three main areas: the exposition, development, and recapitulation.

In the exposition there are two *groups*; the first one in the tonic and the second in the dominant. These *groups* are then differentiated by key area and by their content. The development has fewer constraints than the exposition or the recapitulation because there are no specific tonal areas to be used. The development can take thematic elements from the exposition and expound on them or can introduce new material. Before arriving at the recapitulation, there is a preparation for the return tonic key, through a passage known as the retransition, by standing on the dominant chord. The recapitulation then begins with a *double return* meaning that both the tonic key and the principle theme reappear. The recapitulation, which restates material from the exposition, either ends with a strong cadence on the tonic chord or there is a coda.¹⁷

The coda (Italian for 'tail') is anything added to the end of the recapitulation. Bullivant and Webster write that "Beethoven is usually said to have been the first 'to develop' the coda as an important section of a sonata form movement. Some of his codas are indeed very long owing to his love of dramatic excursions away from the home key, necessitating weighty passages to restore it."¹⁸ All three movements of Op. 23 end with a coda or codetta (an abbreviated coda).

 ¹⁷ James Webster, "Sonata Form," *Grove Music Online. Oxford Music Online*, http://www.oxfordmusiconline.com/subscriber/article/grove/music/40026 (March 2011).
 ¹⁸ Roger Bullivant and James Webster, "Coda," *Grove Music Online. Oxford Music Online*, http://www.oxfordmusiconline.com/subscriber/article/grove/music/40026 (March 2011).

The third movement is in sonata-rondo form. This hybrid form is a combination of both sonata form (incorporating the previously mentioned three areas) as well as aspects from the rondo. The rondo is made up of a principle theme, A (called the refrain), which is alternated with a contrasting theme, sometimes called an episode. The rondo is most typically found as a five-part rondo, ABACA, in which there are two episodes, B and C. The length of the rondo can be expanded through the addition of extra episodes, while still maintaining the general principle of alternating the refrain and episodes.

The combination of elements from both sonata and rondo forms results in the sonatarondo hybrid. In a sonata-rondo, the exposition contains the rondo's ABA, the development encompasses C (a rondo's episode), and the recapitulation includes a recurrence of ABA. The sonata-rondo can also have coda or codetta following the recapitulation.

Through the form diagrams, I was able to identify three moments where Beethoven steps beyond the bounds of general expectations for sonata form, events that I have named formal anomalies. There are two in the first movement and one in the third movement. These elements are shown with an asterisk on my form diagrams.

The first of these unexpected occurrences is found in the *Presto* movement. In the development, there is a proper retransition in preparation for the return of the first theme from the exposition (measures 120-164). Beethoven returns to the correct key but uses the wrong theme, creating a false recapitulation. Hepokoski and Darcy agree, writing "at this point one presumes that the recapitulation will ensue. But instead a new, initially *piano* tarantella-idea springs forth. . . . The recapitulation proper begins, more or less normally, in m. 164."¹⁹ The

¹⁹ Hepokoski and Darcy, 219.

false recapitulation creates a sense of expectancy and prolongs the double return of the recapitulation.

The second unexpected moment is also found in the *Presto*, but this time during the coda. Beethoven takes motivic ideas from the first theme for only one measure (m. 223) and continues with thematic material from the false reprise that occurred in the development (223-243). This is unusual because the use of the thematic material from the development is not typically seen in the recapitulation. The more common practice would have been to include material from the exposition.

Hepokoski and Darcy also comment on the formal anomaly occurring during the coda, saying that Beethoven may have chosen to do so to remind the listeners of what had happened previously in the piece.

> Although there was no requirement or expectation to do so, Beethoven sometimes brought back such expanded episodes in the coda, as happens here, in part because his longer codas contain passages that review events of the development.²⁰

The third area is found in the third movement, the *Allegro Molto*. During the recapitulation (m. 203-332), Beethoven unexpectedly includes the C theme from the development section. This is unusual because in sonata-rondo form the A theme in the recapitulation is usually followed by the B theme, not the C theme (see form diagram example below).

The C theme first appears in measure 114, exactly as expected. When it returns in m. 276 it is surprising for two reasons. First, we don't expect new themes from the development

²⁰ Ibid.

(episode) to return in the exposition. Second, it comes just after the "Folk Dance," which in the exposition was followed immediately with "a."

Exposition									Development					
Am A	Transition	В		Coc	letta	A					С		Retrans.	
		1				a		 С	Folk- Dance''	а				
m. 1-20	m.20-24	m.25	5-	m. 4	43-53	m	n. 54-	n	n. 74-94	m.	95-	m. 1	14-177	m.178-
		42				74	4			113	;			203
i		v		V		i		i		i		VI		V
Recapitulat	tion													
А	"Tarantella	"	Trans	•	"Folk-		С		Retransition	1	A		Codetta	
					Dance'	,								
m. 204-223	m. 224-247		m. 24	7-	m. 268	-	m. 276-	-	m. 284-303		m. 3	04-	m.324-3	32
			267		275		283				323			
i	i				m. 276	С	theme	4	m. 294 on V	7	i		i	
					returns	eve S	eiopmen	ı	Developme	nt				

Example 1. Form diagram of the third movement, Allegro Molto.

Christopher Hatch writes about the recurrence of the C theme and how it works with this sonata-rondo form in his article "Thematic Interdependence in Two Finales by Beethoven:"

The new meaning acquired by the lyrical theme depends almost entirely on its

placement, not on any substantial internal alterations. It is so located that in the

end it effectively reconciles two disparate thematic entities. Yet, despite this eventuality, its last appearance comes without warning.²¹

PERFORMANCE ANALYSIS

Clive Brown, Lockwood, and Szigeti discuss performance practices in Beethoven, focusing on the use of bowings, fingerings and tone production.²² However three areas of formal anomaly provide an interesting challenge for performers. The variance from normal expectations complicates the interpreter's ability to create a seamless musical idea. My contribution will therefore be in the area of performance analysis of form and interpretation.

In order to facilitate an analysis of how to handle these formal anomalies in performance, I chose to study the performances of five violinists. I chose well-known and highly concertized performers who recorded Op. 23 during that latter half of the twentieth century. I also chose performers who had different stylistic approaches to the sonata so the case studies would cover more ground.

The first chamber ensemble I chose was Arthur Grumiaux, violin, and Clara Haskil, piano. They recorded the sonata during the years 1956-1957. The second recording was Itzhak Perlman, violin, and Vladimir Ashkenazy, piano, recorded in 1988. The third recording I chose was Pinchas Zukerman, violin, and Marc Neikrug, piano, recorded in 1992. Isaac Stern, violin, and Eugene Istomin, piano, was the fourth ensemble I chose to study, which was recorded in 1996. The final recording I chose was that of Anne-Sophie Mutter, violin, and Lambert Orkis, piano, which was done in 1998.

²¹ Christopher Hatch, "Thematic Interdependence in Two finales by Beethoven," *The Music Review*, 45 (Aug-Nov 1984), 207.

²² Clive Brown, "Ferdinand David's Editions of Beethoven," in *Performing Beethoven*, ed., Robin Stowell (Cambridge: Cambridge University Press, 1994), 135.

Individual interpretation is most marked by performance choices in the use of rubato, dynamics and in tone production. My study is limited to only two elements, that of dynamics and the use of rubato. Tone production, while it is important to performance analysis, did not fit into the scope of this research.

Dynamics are the measurements of how intense the volume is at a given time, and are usually specified by the composer. A performer typically follows what the composer has specified for a given section of the music, but sometimes takes the liberty of choosing to do a different dynamic. It is a performer's choice as to how to enhance phrasing by gradually getting louder or softer in a given dynamic marking.

Rubato (Italian for "robbed") is defined as speeding up and subsequent slowing down of the tempo. Like dynamics, rubato is used to enhance the expression in the music. The composer may specifically mark rubato in the score, or the performer may choose to utilize it. There are two ways in which rubato is used; the first is when the main beat remains the same but little changes are made to the beat subdivisions and the second is when the tempo changes for longer than a few notes, usually resulting in a ritardando.

After I chose the focus areas of dynamics and rubato to study in the performance analysis part of research, my performance analysis data collection comprised of three steps. Step one was creating in-score markups that showed the initial tempo at the beginning of the movement and the tempo during the anomaly. These in-score markings detailed the interpretation choices made by each recording. I also marked in the score exactly where the performers chose to use dynamics other than what was specified by the composer, and if they used rubato.

13

Below is an example of an in-score markup from the *Allegro Molto* showing use of dynamics and rubato. Dynamics are shown with a crescendo marking along with a subito marking and rubato with the back arrows. (see appendix 2 for complete in-score markups.) Example 2. Score Analysis, Mutter/Orkis performance.



The second step was to synthesize the information from the score into comparison tables. I created a table for each formal anomaly that shows the performers, tempo at the beginning of the movement and during the anomaly, use of rubato, and the use of dynamics. This step was crucial because it showed me similarities and differences between the performances, and eventually led me to make two performance style categories. (see appendix 3 for complete tables.)

Determining the category of performance style then became the third step in the process of analyzing performance choices. I classified each performance into one of two categories of performance style based on the use of dynamics and rubato: the classical performance style and the romantic performance style (see table below). Example 3. Performance Analysis Table for Test Study 1 *Presto*, False Reprise in Development, m. 120-164 (false retransition beginning m. 120) (false reprise beginning m. 136)

Performer	Initial Tempo	During Formal Anomaly	Use of Rubato	Use of Dynamics other than specifically notated	Performance Style
Grumiaux/Haskil	116	126	Yes, 128-135 133-151	Large dim. 128- 135	Classical
Perlman/Ashkenazy	120	120	Yes, 136	No	Classical
Zukerman/Keikrug	120	120	Yes; phrase endings	No	Classical
Mutter/Orkis	126	120	Yes; phrase endings especially elongated	m. 132 <i>piano</i> instead of <i>forte</i>	Romantic
Stern/Istomin	112	112	Yes; phrase endings	No	Romantic

The Classical classification refers to a performer who chooses to follow Beethoven's tempo markings and dynamics as specified in the urtext score, which is a score that has limited editorial influences and tries to stay as true to the composer's ideas as possible. These performers adhere to a stricter tempo, meaning they more typically use subdivision or one-beat rubato. They also exactly follow the dynamics that are written in the score.

The Romantic classification refers to a performer who chooses to use lots of rubato, which in turn can alter the overall tempo even if only for a few bars. The Romantic performer also chooses to use other dynamics than those specified by Beethoven in the urtext edition.

The importance of creating these two categories comes into play by studying the results of the tables. By organizing the performances into either the classical or romantic classification, I was able to see what, if any, was the most general way in interpreting the formal anomalies. Rather than compare each individual performance, I could compare the results from the performers in each group with each other. After that initial analysis, I was then able to compare the general choices of the classical performers with those of the romantic performers to see if and where freedom of interpretation occurred.

RESULTS

The results of the case studies show that performers do tend to take more liberties with the use of dynamics and/or rubato in areas of formal anomaly. During the first formal anomaly in the *Presto*, all of the performers used some kind of rubato, especially at phrase endings. The most noticeable use of rubato at phrase endings was during the beginning of the false recapitulation and into the double return. All of the performers stayed true to the dynamics that Beethoven wrote except for the Mutter/Orkis recording. They decided to play m. 132 *piano* instead of *forte*. This choice exemplified the romantic classification of their performance and was the most interesting use of freedom during the first anomaly.

The second anomaly, also found in the *Presto* but this time during the coda when material from the development's false recapitulation is used, did not have as dramatic results as the first anomaly. The use of rubato was used sparsely by all of the performers. None of the performers varied from Beethoven's dynamic markings. The romantic performers only exaggerated some of the crescendos (gradually increasing in volume) and subito (sudden) dynamics.

The third formal anomaly found in the *Allegro Molto*, during the recapitulation, has the most interesting results. The recapitulation is anomalous because it contains the C theme from the development. Because the C theme occurs twice in the movement, the first occurrence, which follows formal expectation, can be considered a "control group." I compared what the performers chose to do the first time the C theme occurs with their interpretive choices during

16

the second, anomalous, occurrence. By doing so I was able to show how performers may choose to play a formally anomalous passage differently than a normal occurrence of the same music.

The results of the third formal anomaly show that all of the performers use a significant amount of rubato. In the Zukerman/Neikrug performance, they chose to use rubato specifically before the C theme appeared again. This use of rubato announced the arrival of this unusual and theme in the recapitulation. The most interesting use of dynamics took place in the Mutter/Orkis recording when they chose to play the C theme in a *pp* (very soft) dynamic compared to the *forte* (loud) they used previously for the control group C.

The ensembles of Zukerman/Neikrug and Mutter/Orkis were categorized into two different performance styles, and yet they still showed freedom in their interpretation during this third formal anomaly. These specific results show that from both performance perspectives, performers choose to utilize the additional freedom the anomalous passage allows.

PERSONAL PERFORMANCE CHOICES

As a Violin Performance major, learning how to play stylistically is an important part of my education. When I first began studying Op. 23, I developed an interpretation that would be described as a classical, according to my research categories. Showing the ability to play Op. 23 in the correct "Beethoven" style, that is to say, with a limited use of rubato and staying true to the marked dynamics, was the goal.

As I researched Op. 23 with the idea of formal anomalies and freedom of interpretation in mind, my performance choices began to mature. I now more fully understand what musical ideas Beethoven was trying to convey. With this more detailed knowledge of the structure of the piece, my own interpretation has developed.

17

Through analyzing the performance choices of the five selected ensembles, I was able to conclude that during these anomalous events, performers use more freedom in the use of dynamics and rubato to enhance their stylistic interpretations. With this awareness, I made a change in my performance choices of the third movement, *Allegro Molto*. I have decided to take the cue from the Mutter/Orkis recording and make a difference in dynamics the second time the C theme appears. In order to stay within the classical performance style, my dynamic use will not be as drastic.

This performance analysis on Op. 23 showed that in areas of formal anomaly, performers have more freedom in their personal interpretations. The results of the research have directly effected my own performance choices in the area of interpretation, specifically focusing on dynamics and rubato.

BIBLIOGRAPHY

Beethoven and History

Kerman, Joseph. "Ludwig van Beethoven," Grove Music Online. Oxford Music Online,

http://www.oxfordmusiconline.com/subscriber/article/grove/music/40026 (March 2011).

Lockwood, Lewis. *Beethoven The Music and the Life*. New York: W. W. Norton and Company, 2003.

Nettl, Paul. Beethoven Encyclopedia. New York: Philosophical Library, 1956.

Sonata Form

- Bullivant, Roger, and James Webster. "Coda," *Grove Music Online. Oxford Music Online*, http://www.oxfordmusiconline.com/subscriber/article/grove/music/40026 (March 2011).
- Darcy, Warren, and James Hepokoski. *Elements of Sonata Theory*. New York: Oxford University Press, 2006.
- Hatch, Christopher. "Thematic Interdependence in two Finales by Beethoven." *The Music Review* 45 (1984): 194-207.
- Newman, William S. *The Sonata in the Classical Era*. New York: W.W. Norton & Company, Inc., 1983.
- Webster, James. "Sonata Form," *Grove Music Online. Oxford Music Online,* http://www.oxfordmusiconline.com/subscriber/article/grove/music/40026 (March 2011).

Performance Practices

Kroll, Mark, and Lewis Lockwood, eds. *The Beethoven Violin Sonatas: History, Criticism, Performance*. Urbana: University of Illinois Press, 2004.

Stowell, Robin, ed. Performing Beethoven. Cambridge: University Press, 1994.

Szigeti, Joseph. The Ten Violin Sonatas. Urbana: American String Teachers Association, 1965.

Score

Beethoven, Ludwig van. Sonatas for Piano and Violin, Volume 1. Munich: G. Henle Verlag, 1974.

Sound Recordings

Grumiaux, Arthur. Beethoven: The Violin Sonatas. Epic. LP. 1956-1957.

Mutter, Anne-Sophie. Beethoven: The Complete Violin Sonatas . Schott. CD. 1998.

Perlman, Itzhak. Beethoven: The Violin Sonatas. Decca. CD. 1988.

Stern, Isaac. Beethoven: The Violin Sonatas. Sony Classical. CD. 1996.

Zukerman, Pinchas. Beethoven Sonatas for Piano and Violin. BMC Classics. CD. 1992.

Appendix 1. Form Diagrams

Form Diagram of 1st Movement: *Presto* (sonata form)

Exposition				Development				
Am	Transition			Group 1	Group	Trans.	RT to false	
Group		Group	Closing		2	Motif	recap*	
1		2	theme :					
m.	m. 13-29	m.30-	m. 50-68	m.69-83	m.	m.	m. 120-134	
1-29		49			83-93	94-	False Recap.	
						120	m. 135-164	
i	V			i	VI	Iv	V	

Recapitulatio	n		Coda			
Group 1	Group 2	Closing	Motif from	Theme from	Codetta (material from	
		Theme	Exposition*	false recap	group 1)	
m. 164-181	m. 182-	m. 205-	m. 222	m. 223-243	m. 245-252	
	214	221				
i	III,		iv	m. 228 i	i	
	m. 190 i					

*Denotes formal anomaly.

Exposition									Development				
Am A	Transition	В		Co	detta	A					C**	:	Retrans.
						a	сс Г	Folk- Dance"	a				
m. 1-20	m.20-24	m.:	25-	m. 43-53		m.	n	n. 74-94	m.	m. 95-		14-	m.178-
		42				54-74			113	3	177		203
i		v		V		i	i		i		VI		V
Recapitulation													
А	"Tarantell	a"	Tran	s. "Folk-		C *		Retransition		A Codet		Codet	ta
					Dance"								
m. 204-	m. 224-24	7	m.		m.	m.		m. 284-30)3	m.		m.324	-332
223			247-	- 268-		276-				304			
			267		275	283				323			
i	i				m. 276 from Develop	C theme oment		m. 294 on from RT in Developm	V n ent	i		i	II
					returns								

Form Diagram of 3rd Movement: Allegro Molto (sonata-rondo form)

*Denotes formal anomaly. ** "Control group"

Appendix 2. In-score markups



(1)



(67) 5

•

(2)

Itzhak Perlman, violin Madamir Ashkenazy, piano · Clossical Classification	Test Area 1: Score Analysis of Rubato and Dynamics	
tempo 100 70 to 200 to		
		<u> <u>ann ann ann ann an</u> .</u>
		CONTRACTOR
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		

(1)

25

(67) 3 (67) 3
8 the second state of the

B.93.

1	2	1
- 1	1	1
- 5	~/	



 $(|\rangle$

. (67) 5

B.93.

 (\mathcal{I})

28

Anne-Sophie Mutter, violin Landert Orkis, piano · Romantic Classification Test Area 1: Score Analysis of Rubato and Dynamics

tempo 1200 (85)3	* (a
1/2 Development	
Contract Contract Contract	A CONTRACTOR DE LA CONTRACTÓN
	Le sale and a series
A DO THE AND A DO THE ADDRESS OF THE	136 tongo tongo tongo tongo tongo tongo
	friend that that that the set
9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
89	
⁹⁹ Katt Grade Den and Art The Company	
to a fight the state of the state	
of a standard and a standard and a standard a	
	A THE ALL AND A THE AND A
Are a starting are with the service of the from	
	10 ya a a a a a a a a a a a a a a a a a a
B.ss.	
•	s), 04,

(h)

	a territo	(67) 5
160	recapitulation	
(€ 1 27 21 21 21 ¢r gi	Contra Mi Orie	
		2° ° 1
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
A A A A A A A A A A A A A A A A A A A		2 2
	1 12 12 12 12 12 1	
12 2	#	
168		E Eafatala
A The second		
170 Feffine in the second		
	الجاهية الجواراتي أواحج الأرجون	
Coller of the sea		
hard and a second	P	
		<u> </u>
0		
	N	
	FRANK FATAL	Re Cent
0.1		
144 to the state of the state o		
den .		· • • •
	1 DIES	- i he
De to the to the		
/ Kiking and the second s		

B.93.

 $\langle \gamma \rangle$ 

Isaac Stern, Violin Eugene Istomin, piono Romantic Classification Test Area 1: Scare Analysis of Rubacto and Dynamics



(1)

Light Slow (87)	5
	L
	ī
	- (
	I
Res.	

R.85.

 $(\gamma)$ 

Test Area 2:

Arthur Grumiaux, violin Clara Haskil, piano · Classical Classification

Score Analysis of Rubato and Dynamics

6(66)	
(tempo 116)	(69) 7 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 -
the reason of	a terrett Fe St the nor is
	riandanda PP I I I I I I I I I I I I I I I I I I
A THE THEFT I AT THE ATT A	Andaute scherzoso, più Allegretto.
de ett ittere att e an ha	
Contraction of the local states into	Audaule scherzoso, più Allegrello.
The set of	
1 P P P P P P P P P P P P P P P P P P P	(24.1 Transa Cital to Developed Developed
	the first of the second se
I I I I I I I I I I I I I I I I I I I	
1. A the second se	
	Hand and and and any provide the good
234 F TREAT PARTY OF A DIA STATE	H12 man 12 million
Ver good good good good good good good goo	
	The first of the second
R.93.	

33

Itzhak ferlman visin Vlajamir Ashkenazy, pisno , classicel classification

6(68)

Test Area 2: Score Analysis of Rubada auto Dynamics

Parlante. Ta a Trupo

R.93.

ant a the free for the second
Andant-scherzoso,pin Allegretto.
Andaule scherzoso, più Allegretto.
Hindia Character Charles and
He To Friday to The Constantion and
and the second state of th
AND IN IR O LE
The second secon
B.as.

(69)7

Pinchas Zukerman, Violin	Test Avea 2:	
Marc Neikrua, piano	Score tracysis of Rubbito	
· Classical classification	and by namics	
c(65)		(69) 7
tempo QO	rientado. a Trapo	<u></u>
the set of the state of the state of the	Al Section At the part of	
The second se	riurdando. PP S of S	2. 10 m
AND WELL MARK WITH COME	Andante scherzosapiù Allegretta.	I F S S
A CALL AND A	Andante scherzoso, più Allegretto.	,
The state of the second s		
(and the factor iso)		
230 Front - Friding to The		- ili vaire auto
	III Alton Attaining	Q
		<u>विक्वीस्त्</u>
		A DOCE
		2 Red Frein
R.sz.	Bas.	

Anne-Sophie Mutter, violin Lambert Orkis, plans Test Area 2: Score Analysis of Rubato and Dynamics

· Romantic Classification



(6)7

11

Isoac Stern, violin

Eugene Istomin, piano

Test Aread: Score Analysis of Ruborts and Dynamics

(89)7

B.93.

· Romantic classification

6(65) tempo

226

(69)
<del>Marin Contractor Contractor Cont</del> ractor Contractor Contractor Contractor Contractor Contractor Contractor Contra Marine Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contra Marine Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contra

B.95.

Grumiaux violin Haskil, piano - Classical Classification	Test Area 3: Score tradistis of Rubato and Dynamics	
21x(80) + cmpo 70		(81) 19
204 Friend Friend Friend Friend Friend		
p p p p p p p p p p p p p p p p p p p		AND THE
	tet we find the	illine t
		tient Sterry
<u>Šui LE 20 ii da 1. j</u>		
	Bas.	

20(82)

Missing and the second state of the second sta
1
STATE TO THE THE THE THE THE THE

×



20 (N2)		
281	क्षा र प्रदेश र प्रदेश र प्रदेश	den -
0		
See.		eg direr.
298		ju will
6-11		
200	· du. cresc. p crusc.	
2nd Fren	1. Alientiniti De Rive	
Jul 1		
( <b>† 11 –</b>		
		ie je
35		
2.		
\$23	Jon Andrad file	
81.		
26:-6	derren.	F decrese, p
	Bas.	

.



	20 (N2)	
281	हे स्वी राजना - र	
	9	E B
298		
	С	靜
307		
35		
323	t <b>Fugenstante</b>	Ţ
	Array Array	2 114)

•



(1)



(2)

45



20 (82)
A Lange and a second and a seco
A CONTRACT OF A
1
Bas.

Appendix 3: Comparative Performance Analysis Tables

#### Test Study 1

*Presto*, False Recapitulation in Development, m. 120-164 (false retransition beginning m. 120) (false reprise beginning m. 136)

Performer	Initial Tempo	During Formal Anomaly	Use of Rubato	Use of Dynamics other than specifically notated	Performance Style
Grumiaux/Haskil	116	116	Yes, 128- 136 133-151	Large dim. 128-135	Classical
Perlman/Ashkenazy	120	120	Yes, 136	No	Classical
Zukerman/Keikrug	120	120	Yes; phrase endings	No	Classical
Mutter/Orkis	126	120	Yes; phrase endings especially elongated	m. 132 <i>piano</i> instead of <i>forte</i>	Romantic
Stern/Istomin	112	112	Yes; phrase endings	No	Romantic

*Test Study 2 Presto*, Coda using thematic material from the development's false recap, m. 222-243

Performer	Initial Tempo	During Formal Anomaly	Use of Rubato	Use of Dynamics Other than specifically notated	Performance Style
Grumiaux/Haskil	116	126	Very limited	Cresc. during seq.	Classical
Perlman/ Ashkenazy	120	120	Yes, 242	No	Classical
Zukerman/ Neikrug	120	120	Yes; 223-240	No	Classical
Mutter/Orkis	126	120	Yes; especially on phrase endings	Huge cresc., emphasis on <i>subito</i> dynamics	Romantic
Stern/Istomin	112	112	limited	Exaggerated dynamics (229-231)	Romantic

#### Test Study 3

Allegro Molto, use of the C theme from the Development during the Recapitulation, m. 268-301 (especially focusing on 268 with the C theme returning)

Performer	Initial Tempo	During Formal Anomaly	Use of Rubato	Use of Dynamics Other than specifically notated	Performance Style	Control Group: C theme m. 114-177
Grumiaux/Haskil	70	70	Yes, 274	Exaggerated <i>pp</i> / cresc and dim.	Classical	<b>Dynamics</b> : as written in score <b>Rubato</b> : phrase endings
Perlman/ Ashkenazy	84	84	Yes, accl. in Tarantella section, last two measures	No	Classical	<b>Dynamics:</b> as written in score <b>Rubato:</b> phrase endings
Zukerman/ Neikrug	78	78	Yes, just before the C theme returns	No	Classical	<b>Dynamics:</b> exaggerated sfz <b>Rubato:</b> m. 154-162
Mutter/Orkis	80	80	Yes, 268- 275 stretches tempo significantly, as well as phrase endings	<i>pp</i> for the C theme, huge cresc. to A theme	Romantic	<b>Dynamics:</b> <i>mf</i> instead of <i>piano</i> <b>Rubato:</b> stretched throughout
Stern/Istomin	84	84	Yes, 268 and phrase endings	Exaggerated subito pp in 268	Romantic	<b>Dynamics:</b> as written in score <b>Rubato:</b> Phrase endings exaggerated