

SHIFTING IN PASSAGES

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Published by
Riker, Brown & Wellington, Inc.
BOSTON, MASS.

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SHIFTING IN PASSAGES

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APART from any consideration of the bow, shifting is the chief disturbing factor in passage work on the violin, as the necessary and usually quick movement of the hand and arm is likely to disarrange the position of the fingers in relation to the strings.

The position of the hand in shifting is usually treated in a haphazard manner, the intonation of the note being the main concern. Granted the violinist possesses a "good ear," most important for good intonation and clean passage work is the accurate and systematic placing of the hand in positions that bring the notes comfortably under the fingers.

If, in the following exercises, the physical aspect of shifting be kept uppermost, using intonation merely as a proof of the correctness or otherwise of the hand position, it should become habitual for the student to sense these positions so correctly that the hand will be placed with comfort and certainty, leaving the mind free for other things.

★) Before making a shift, have the objective position clearly in mind. As clearness of thought in this matter is often taken for granted without its being present, it is suggested that in the following exercises, before the note preceding the shift is played, the oncoming note and its position be named *aloud*.

Get to know exactly where the hand should be placed for each position, and in shifting ignore the intervening distance. Think only of the position of the hand for the objective note and insist on taking up definitely the same position whether approaching from above or below. *This is the essence of this study.*

Insist on the three unused fingers being kept above and equidistant from the string in use.

Keep the shifting finger barely in contact with the string—not pressed down while shifting.

Do not grip with the thumb.

Keep the bow moving during shifts.

Do not allow the violin to move either to right or left.

Frequently practise placing the hand silently in any chosen position without preparation, testing the position by sounding a note.

Do not use vibrato.

For clear articulation: first play the passage slowly and loudly, using the whole bow. Treat each note as an individual note, with a quick and complete pressing of the string to the fingerboard and a quick release of the fingers. Make each note "click."

Give the dotted notes their full value with full tone.

As certainty increases, increase the speed, playing more softly and using less bow.

In Variation 4 of each exercise see that the 5th and 6th notes of the first group, and the 1st and 2nd notes of the second group are played evenly and firmly — especially do not wait on the first note of the 2nd group.

★) *Read this frequently.*

First Finger Shifts

Lento

II III IV V VI VII VIII VII VI V IV III II I

Play the above also from memory, naming the notes and positions.

VARIATION I

II I II III I III IV V

VI VII VIII VII VIII VII VI

V IV III II I

During the rests, quickly place the hand back in the original position, retaining in mind however, the exact position of the hand for the objective note, so that the ensuing quick shift may be done confidently.

VARIATION II: The shift at the end of a passage

II III IV V

VI VII VIII VII VI

V IV III II I

VARIATION III: The shift at the beginning of a passage

II III ★ IV V

VI VII VIII VII VI

V IV III II I

★ Watch the Ab & D \sharp in this bar.

VARIATION IV: The shift in the middle of a passage

Second Finger

Continue this figure to the VIII Position, then return.

Third Finger

Fourth Finger

II III IV V VI VII VIII VII VI V IV III II I

Var. 1 II I II VIII VII VIII VII
Var. 2 II

Var. 3 VIII VII II VIII VII

Var. 4 II VIII VII VIII VII

First and Second Fingers

1 2 1 2 2 VI VII VI V IV III II I

Var. 1 1 2 1 2 1 2 1 2 2 VII VI VII VI

Var. 2 1 2 1 2 2 VII VI

Var. 3 1 2 1 2 2 VII VI

Var. 4 1 2 1 2 2 VII VI

Var. 5 VII VI

First and Third Fingers

Main musical staff in G major, 2/4 time. The melody consists of eighth notes. Fingerings are indicated by Roman numerals (I-VII) above the notes. Fingering numbers (1-3) are written below the notes. The sequence of notes and fingerings is: G (I, 1), A (II, 2), B (I, 1), C (III, 3), D (I, 1), E (III, 3), F (I, 1), G (III, 3), A (VII, 3), B (VI, 1), C (I, 3), D (V, 1), E (I, 3), F (IV, 1), G (III, 1), A (II, 1), B (I, 1).

Var. 1

First variation in G major, 4/4 time. The melody consists of quarter notes. Fingerings are indicated by Roman numerals (I, II) above the notes. Fingering numbers (1, 2, 3) are written below the notes. The sequence of notes and fingerings is: G (I, 1), A (II, 2), B (I, 1), C (II, 2), D (I, 1), E (II, 2), F (I, 1), G (II, 2), A (I, 1), B (II, 2), C (I, 1), D (II, 2), E (I, 1), F (II, 2), G (I, 1).

Second variation in G major, 4/4 time. The melody consists of quarter notes. Fingerings are indicated by Roman numerals (VI, VII, V) above the notes. Fingering numbers (3, 1, 3, 1, 3, 1, 3, 1, 3, 1, 3, 1) are written below the notes. The sequence of notes and fingerings is: G (VI, 3), A (VII, 1), B (VI, 3), C (VII, 1), D (VI, 3), E (VII, 1), F (VI, 3), G (VII, 1), A (V, 3), B (VI, 1), C (V, 3), D (VI, 1).

Var. 2

Third variation in G major, 6/8 time. The melody consists of eighth notes. Fingerings are indicated by Roman numerals (I, II) above the notes. Fingering numbers (1, 2, 1, 3, 1, 3) are written below the notes. The sequence of notes and fingerings is: G (I, 1), A (II, 2), B (I, 1), C (II, 3), D (I, 1), E (II, 3), F (I, 1), G (II, 3), A (I, 1), B (II, 3), C (I, 1), D (II, 3), E (I, 1), F (II, 3), G (I, 1).

Fourth variation in G major, 6/8 time. The melody consists of eighth notes. Fingerings are indicated by Roman numerals (VI, VII, VI, V) above the notes. Fingering numbers (3, 1, 3, 1, 3, 1, 3, 1) are written below the notes. The sequence of notes and fingerings is: G (VI, 3), A (VII, 1), B (VI, 3), C (VII, 1), D (VI, 3), E (VII, 1), F (VI, 3), G (VII, 1), A (V, 3), B (VI, 1), C (V, 3), D (VI, 1).

Var. 3

Fifth variation in G major, 9/8 time. The melody consists of eighth notes. Fingerings are indicated by Roman numerals (I, II) above the notes. Fingering numbers (1, 2, 1, 3, 1, 3) are written below the notes. The sequence of notes and fingerings is: G (I, 1), A (II, 2), B (I, 1), C (II, 3), D (I, 1), E (II, 3), F (I, 1), G (II, 3), A (I, 1), B (II, 3), C (I, 1), D (II, 3), E (I, 1), F (II, 3), G (I, 1).

Sixth variation in G major, 9/8 time. The melody consists of eighth notes. Fingerings are indicated by Roman numerals (VI, VII, VI, V) above the notes. Fingering numbers (3, 1, 3, 1, 3, 1, 3, 1) are written below the notes. The sequence of notes and fingerings is: G (VI, 3), A (VII, 1), B (VI, 3), C (VII, 1), D (VI, 3), E (VII, 1), F (VI, 3), G (VII, 1), A (V, 3), B (VI, 1), C (V, 3), D (VI, 1).

Var. 4

Seventh variation in G major, 9/8 time. The melody consists of eighth notes. Fingerings are indicated by Roman numerals (I, II) above the notes. Fingering numbers (1, 2, 1, 3, 1, 3) are written below the notes. The sequence of notes and fingerings is: G (I, 1), A (II, 2), B (I, 1), C (II, 3), D (I, 1), E (II, 3), F (I, 1), G (II, 3), A (I, 1), B (II, 3), C (I, 1), D (II, 3), E (I, 1), F (II, 3), G (I, 1).

Eighth variation in G major, 9/8 time. The melody consists of eighth notes. Fingerings are indicated by Roman numerals (VI, VII, VI, V) above the notes. Fingering numbers (3, 1, 3, 1, 3, 1, 3, 1) are written below the notes. The sequence of notes and fingerings is: G (VI, 3), A (VII, 1), B (VI, 3), C (VII, 1), D (VI, 3), E (VII, 1), F (VI, 3), G (VII, 1), A (V, 3), B (VI, 1), C (V, 3), D (VI, 1).

Second and First Fingers

Main musical staff for 'Second and First Fingers' in G major, 2/4 time. The melody consists of a sequence of eighth notes: G4 (III), A4 (IV), B4 (V), C5 (VI), D5 (VII), E5 (VIII), F5 (IX), E5 (VII), D5 (VI), C5 (V), B4 (IV), A4 (III), G4 (II), F4 (I). Fingerings are indicated below the notes: 2, 1, 2, 1, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2.

Var. 1: 4/4 time signature. The melody is: G4 (III), A4 (I), B4 (III), C5 (IX), D5 (VII), E5 (IX), F5 (VII). Fingerings: 2, 1, 2, 1, 1, 2, 1, 2.

Var. 2: 6/8 time signature. The melody is: G4 (III), A4, B4, C5, D5, E5, F5, G4 (I). Fingerings: 2, 1.

Var. 3 (left): 9/8 time signature. The melody is: G4 (IX), A4, B4, C5, D5, E5, F5, G4 (VII). Fingerings: 1, 2.

Var. 3 (right): 9/8 time signature. The melody is: G4 (III), A4, B4, C5, D5, E5, F5, G4 (IX), A4, B4, C5, D5, E5, F5, G4 (VII). Fingerings: 2, 1, 1, 2.

Var. 4: 9/8 time signature. The melody is: G4 (III), A4, B4, C5, D5, E5, F5, G4 (IX), A4, B4, C5, D5, E5, F5, G4 (VII). Fingerings: 2, 1, 1, 2.

Second and Third Fingers

Main musical staff for 'Second and Third Fingers' in G major, 2/4 time. The melody consists of a sequence of eighth notes: G4 (II), A4 (III), B4 (IV), C5 (V), D5 (VI), E5 (VII), D5 (VI), C5 (V), B4 (IV), A4 (III), G4 (II), F4 (I). Fingerings are indicated below the notes: 2, 3, 3, 2, 3, 2, 3, 2, 3, 2, 3, 2, 3, 2, 3, 2, 3, 2.

Var. 1: 4/4 time signature. The melody is: G4 (II), A4 (I), B4 (II), C5 (VII), D5 (VI), E5 (VII), F5 (VI), G4 (II), A4, B4, C5, D5, E5, F5, G4 (VI). Fingerings: 2, 3, 2, 3, 2, 3, 2, 3, 3, 2, 3, 2, 3, 2, 3, 2, 3, 2.

Var. 2: 6/8 time signature. The melody is: G4 (II), A4, B4, C5, D5, E5, F5, G4 (VII), A4, B4, C5, D5, E5, F5, G4 (VI). Fingerings: 2, 3, 2, 3, 3, 2, 3, 2, 3, 2.

Var. 3: 9/8 time signature. The melody is: G4 (II), A4, B4, C5, D5, E5, F5, G4 (VII), A4, B4, C5, D5, E5, F5, G4 (VI). Fingerings: 2, 3, 2, 3, 3, 2, 3, 2, 3, 2.

Var. 4: 9/8 time signature. The melody is: G4 (II), A4, B4, C5, D5, E5, F5, G4 (II), A4, B4, C5, D5, E5, F5, G4 (II). Fingerings: 2, 3, 2, 3, 2, 3, 2, 3.

Var. 5: 9/8 time signature. The melody is: G4 (VII), A4, B4, C5, D5, E5, F5, G4 (VI), A4, B4, C5, D5, E5, F5, G4 (VI). Fingerings: 3, 2, 2.

Second and Fourth Fingers

Main musical staff with fingerings: II, III, IV, V, VI, VII VI, V, IV, III, II, I.

Var. 1

2 3 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4

VI VII VI VII VI V VI V

Var. 2

2 3 2 4 2 4 2 4

VI VII VI V

Var. 3

2 3 2 4 2 4 2 4

VI VII VI V

Var. 4

2 3 2 4 2 4 2 4

VI VII VI V

Third and First Fingers

Main musical staff for 'Third and First Fingers' in G major, 4/4 time. The melody consists of ten eighth notes ascending from G4 to G5, followed by ten eighth notes descending from G5 to G4. Fingerings are indicated by Roman numerals IV, V, VI, VII, VIII, IX, X, VII, VI, V, IV, III, II, I. The first five notes (IV-V-VI-VII-VIII) are grouped with a slur and have fingerings 3, 1, 3, 1. The last five notes (X-VII-VI-V-V) are grouped with a slur and have fingerings 1, 3, 1, 3.

Var. 1: Musical staff in 4/4 time. It features two measures of eighth notes with fingerings 3, 1, 3, 1. The first measure is labeled with Roman numeral IV and the second with I. This is followed by two measures of eighth notes with fingerings 1, 3, 1, 3. The first measure is labeled with Roman numeral X and VII, and the second with X and VII.

Var. 2: Musical staff in 6/8 time. It features two measures of eighth notes with fingerings 3, 1, 1, 3. The first measure is labeled with Roman numeral IV and the second with X and VII.

Var. 3: Musical staff in 9/8 time. It features two measures of eighth notes with fingerings 3, 1. The first measure is labeled with Roman numeral IV and the second with X and VII.

Var. 4: Musical staff in 9/8 time. It features two measures of eighth notes with fingerings 3, 1. The first measure is labeled with Roman numeral IV and the second with X and VII.

Third and Second Fingers

Main musical staff for 'Third and Second Fingers' in G major, 4/4 time. The melody consists of ten eighth notes ascending from G4 to G5, followed by ten eighth notes descending from G5 to G4. Fingerings are indicated by Roman numerals III, IV, V, VI, VII, VIII, IX, VII, VI, V, IV, III, II, I. The first five notes (III-IV-V-VI-VII) are grouped with a slur and have fingerings 3, 2, 3, 2. The last five notes (VIII-VII-VI-V-V) are grouped with a slur and have fingerings 2, 3, 2, 3.

Var. 1: Musical staff in 4/4 time. It features two measures of eighth notes with fingerings 3, 2, 3, 2. The first measure is labeled with Roman numeral III and the second with I. This is followed by two measures of eighth notes with fingerings 2, 3, 2, 3. The first measure is labeled with Roman numeral IX and VII, and the second with IX and VII.

Var. 2: Musical staff in 6/8 time. It features two measures of eighth notes with fingerings 3, 2, 2, 3. The first measure is labeled with Roman numeral III and the second with IX and VII.

Var. 3: Musical staff in 9/8 time. It features two measures of eighth notes with fingerings 3, 2. The first measure is labeled with Roman numeral III and the second with IX and VII.

Var. 4: Musical staff in 9/8 time. It features two measures of eighth notes with fingerings 3, 2. The first measure is labeled with Roman numeral III and the second with IX and VII.

Third and Fourth Fingers

Main musical staff for Third and Fourth Fingers. The melody consists of two phrases. The first phrase is an ascending scale: G4 (II), A4 (III), B4 (IV), C5 (V), D5 (VI), E5 (VII). The second phrase is a descending scale: D5 (VI), C5 (V), B4 (IV), A4 (III), G4 (II), F4 (I). Fingerings are indicated by numbers 3 and 4 below the notes.

Var. 1: A variation of the main staff in 4/4 time. It features eighth-note patterns with slurs and accents. Fingerings include 3, 4, 3, 4, 3, 4, 3, 4, 4, 3, 4, 3, 4, 3, 4, 3, 4, 3.

Var. 2: A variation of the main staff in 6/8 time. It features eighth-note patterns with slurs and accents. Fingerings include 3, 4, 3, 4, 4, 4, 3, 4, 3, 4, 3.

Var. 3: A variation of the main staff in 9/8 time. It features eighth-note patterns with slurs and accents. Fingerings include 3, 4, 3, 4, 4, 3, 4, 3, 4, 3.

Var. 4: A variation of the main staff in 9/8 time. It features eighth-note patterns with slurs and accents. Fingerings include 3, 4, 3, 4, 3, 4.

Additional musical staff for Third and Fourth Fingers. It features eighth-note patterns with slurs and accents. Fingerings include 4, 3, 4, 3, 4, 3.

Fourth and First Fingers

Main musical staff for Fourth and First Fingers. The melody consists of two phrases. The first phrase is an ascending scale: G4 (V), A4 (VI), B4 (VII), C5 (VIII), D5 (IX), E5 (X), F5 (XI). The second phrase is a descending scale: E5 (VII), D5 (VI), C5 (V), B4 (IV), A4 (III), G4 (II), F4 (I). Fingerings are indicated by numbers 4 and 1 below the notes.

Var. 1: A variation of the main staff in 4/4 time. It features eighth-note patterns with slurs and accents. Fingerings include 4, 1, 4, 1, 1, 4, 1, 4.

Var. 2: A variation of the main staff in 6/8 time. It features eighth-note patterns with slurs and accents. Fingerings include 4, 1, 1, 4.

Var. 3: A variation of the main staff in 9/8 time. It features eighth-note patterns with slurs and accents. Fingerings include 4, 1, 1, 4.

Var. 4: A variation of the main staff in 9/8 time. It features eighth-note patterns with slurs and accents. Fingerings include 4, 1, 4.

Fourth and Second Fingers

IV V VI VII VIII IX X VII VI V IV III II I

4 2 2 4

Var. 1 4 2 4 2 2 4 2 4

Var. 2 4 2 2 4

Var. 3 4 2

Var. 4 4 2

Fourth and Third Fingers

III IV V VI VII VIII IX VII VI V IV III II I

4 3 3 4 3 4 3 4

Var. 1 4 3 4 3 3 4 3 4

Var. 2 4 3 3 4

Var. 3 4 3

Var. 4 4 3

These exercises have been placed purposely on the D String to shape the hand and arm to the more awkward part of the instrument, but they should be worked out on the other three especially on the E String, as much of the passage work in the higher positions is written for this string.

Shifting Exercises in Thirds

★ Place the fingers on both notes, but sound only the black notes.

Lento

II III IV V VI VII VIII

1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3

VII VI V IV III II I

1 3 1 3 1 3

Var. 1

II I II VII VIII VII

1 3 1 3 1 3 1 3 1 3 1 3 1 3

Var. 2

II VIII VII

1 2 1 2 1 2 1 3 1 2 1 3

Var. 3

II VIII VII

1 3 1 2 1 3 1 2 1 3 1 2 1 3

Var. 4

II VIII VII

1 2 1 3 1 2 1 3 1 2 1 3 1 2 1 3

★

II III IV V VI VII

1 2 1 2 1 3 1 2 1 3 1 2 1 3 1 2 1 3

VI V IV III II I

2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1

Var. 1

II I II VII VI VII VI

1 3 2 4 1 3 2 4 1 3 2 4 2 4 1 3 2 4 1 3 2 4 1 3

Var. 2

II VII VI

1 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 1 3

Var. 3

II VII VI

1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 2 1 2 1 2 1 2 1

Var. 4

II VII VI

1 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1

★

VII VI

2 4 1 2 2 4 1 2 1 3 2 4 1 2 1 3

★

★

★

★

★

★

★

★

Sixths

Both fingers to be placed simultaneously.

Main musical staff with fingerings and articulations. The first line contains six measures with fingerings: 1 2 3 2, 1 2 4 3, 1 2 4 3, and articulations II, III, IV, V, VI. The second line contains seven measures with fingerings: 3 4 2 1, 3 4 2 1, 3 4 2 1, and articulations VII, VI, V, IV, III, II, I.

Var. 1

First variation musical staff with fingerings and articulations. The first line contains six measures with fingerings: 2 1, 3 2, 2 1, 3 2, 2 1, 3 2, and articulations II, I, II. The second line contains six measures with fingerings: 4 3, 2 1, 4 3, 2 1, 4 3, 2 1, and articulations VI, VII, VI, VII, VI, V, VI, V.

Var. 2

Second variation musical staff with fingerings and articulations. The first line contains six measures with fingerings: 2 1, 3 2, 2 1, 4 3, 2 1, 4 3, and articulation II. The second line contains six measures with fingerings: 4 3, 2 1, 4 3, 2 1, 4 3, 2 1, and articulation V.

Var. 3

Third variation musical staff with fingerings and articulations. The first line contains six measures with fingerings: 2 1, 3 2, 4 4, 2 1, 4 3, 2 1, and articulation II. The second line contains six measures with fingerings: 4 3, 2 1, 4 3, 2 1, 4 3, 2 1, and articulation V.

Var. 4

Fourth variation musical staff with fingerings and articulations. The first line contains six measures with fingerings: 2 1, 3 2, 4 4, 2 1, 4 3, 2 1, and articulation II. The second line contains six measures with fingerings: 4 3, 2 1, 4 3, 2 1, 4 3, 2 1, and articulation V.

Main musical notation consisting of two staves. The first staff contains a sequence of notes with fingerings II, III, IV, V, VI, VII, and VIII. The second staff contains a sequence of notes with fingerings VII, VI, V, IV, III, II, and I.

Var. 1 and Var. 2 musical notation. Var. 1 is in 4/4 time and features chords with fingerings II, I, II. Var. 2 is in 6/8 time and features chords with fingerings II, VII, VII, VII.

Var. 3 musical notation in 9/8 time, featuring chords with fingerings II, VII, VII.

Var. 4 musical notation in 9/8 time, featuring chords with fingerings II, VII, VII.

Main musical notation consisting of two staves. The first staff contains a sequence of notes with fingerings II, III, IV, V, VI, and VII. The second staff contains a sequence of notes with fingerings VI, V, IV, III, II, and I.

Var. 1 musical notation in 4/4 time, featuring chords with fingerings II, I, VII, VI, VII, VI.

Var. 2 musical notation in 6/8 time, featuring chords with fingerings VII, II, VII, VI.

Var. 3 musical notation in 9/8 time, featuring chords with fingerings II, VII, VI.

Var. 4 musical notation in 9/8 time, featuring chords with fingerings II.

Main musical notation consisting of two staves, both featuring chords with fingerings VI.

III IV V VI VII VIII IX
2 3 2 1

VII VI V IV III II I
1 2 3 2 1 2 3 2

Var. 1
III I III IX VII IX VII
3 2 2 1 3 2 1 2 1 3 2 2 1 3 2

Var. 2
III IX VII
3 2 2 1 3 2

Var. 3
III IX VII
3 2 2 1 3 2

Var. 4
III IX VII
3 2 4 2 1 3 2

II III IV V VI VII VIII
3 4 4 3

VII VI V IV III II I
3 4 4 3

Var. 1
II I II VIII VII VIII VII
4 3 4 3 4 3 4 3 4 3 4 3

Var. 2
VIII II VIII VII
4 3 4 3 4 3

Var. 3
II VIII VII
4 3 4 3 4 3

Var. 4
II VIII VII
4 3 4 3 4 3

III IV V VI VII VIII IX

VII VI V IV III II I

Var. 1 III I III IX VII IX VII

Var. 2 III IX VII

Var. 3 III IX VII

Var. 4 III IX VII

IV V VI VII VIII IX X

VII VI V IV III II I

Var. 1 IV I IV X VII X VII

Var. 2 IV X VII

Var. 3 IV X VII

Var. 4 IV X VII

Fourths

Main musical staff for 'Fourths'. It consists of a single line of music in a treble clef with a key signature of one flat (Bb). The melody is composed of eighth notes, grouped into pairs and then larger phrases. Above the notes are Roman numerals II, III, IV, V, VI, VII, VIII, VII, VI, V, IV, III, II, I. Below the notes are fingering numbers: 1 2, 1 2, and 2 1, 2 1.

Two variation staves. Var. 1 is in 4/4 time and features a mix of eighth and quarter notes with slurs. Above the notes are Roman numerals II, I, II, VIII, VIII, VII. Below are fingering numbers: 1 2, 1 2, 1 2, 1 2, 1 2, 1 2, 1 2, 1 2. Var. 2 is in 6/8 time and features eighth notes with slurs. Above are Roman numerals II, VIII, VII. Below are fingering numbers: 1 2, 1 2, 1 2.

Third variation (Var. 3) in 9/8 time. It features eighth notes with slurs. Above are Roman numerals II, VIII, VII. Below are fingering numbers: 1 2, 1 2.

Fourth variation (Var. 4) in 9/8 time. It features eighth notes with slurs. Above are Roman numerals II, VIII, VII. Below are fingering numbers: 1 2, 1 2.

Main musical staff continuing with eighth notes and slurs. Above are Roman numerals II, III, IV, V, VI, VII, VI, V, IV, III, II, I. Below are fingering numbers: 1 2, 2 3, 2 3, 2 3, 2 3, 2 3, 2 3, 2 3, 2 3, 2 3, 2 3, 2 3.

First variation (Var. 1) continuing with eighth notes and slurs. Above are Roman numerals II, I, II, VII, VI, VII, VI. Below are fingering numbers: 1 2, 2 3, 1 2, 2 3, 1 2, 2 3, 1 2, 2 3, 1 2, 2 3, 1 2, 2 3, 1 2, 2 3, 1 2.

Second variation (Var. 2) in 6/8 time. Above are Roman numerals II, VII, VI. Below are fingering numbers: 1 2, 2 3, 1 2, 2 3, 1 2, 2 3, 1 2.

Third variation (Var. 3) in 9/8 time. Above are Roman numerals II, VII, VI. Below are fingering numbers: 1 2, 2 3, 2 3, 2 3, 2 3, 2 3, 2 3.

Fourth variation (Var. 4) in 9/8 time. Above is Roman numeral II. Below are fingering numbers: 1 2, 2 3, 1 2, 2 3.

Final musical staff with eighth notes and slurs. Above are Roman numerals VII, VI. Below are fingering numbers: 2 3, 1 2, 2 3, 1 2.

Main musical staff with fingering and fingering numbers. The staff contains a sequence of chords and notes with various fingering instructions. Above the staff, Roman numerals II, III, IV, V, VI, VII, VI, V, IV, III, II, I are placed over groups of notes. Below the staff, numbers 1, 2, 3, 4 are used for fingering. For example, the first group has '1 2 3' and '2 3' below it.

Var. 1

First variation musical staff (Var. 1) with fingering. It features a sequence of notes with Roman numerals II, I, II above and numbers 1, 2, 3, 4 below.

Second variation musical staff with fingering. It features a sequence of notes with Roman numerals VI, VII, VI, VII, VI above and numbers 3, 4, 1, 2, 3, 4, 1, 2, 3, 4, 1, 2, 3, 4, 1, 2 below.

Var. 2

Third variation musical staff (Var. 2) with fingering. It features a sequence of notes with Roman numerals II above and numbers 1, 2, 2, 3, 1, 2, 3, 4, 1, 2, 3, 4 below.

Fourth variation musical staff with fingering. It features a sequence of notes with Roman numerals VI, VII, VI above and numbers 3, 4, 1, 2, 3, 4, 1, 2, 3, 4, 1, 2 below.

Var. 3

Fifth variation musical staff (Var. 3) with fingering. It features a sequence of notes with Roman numerals II above and numbers 1, 2, 3, 1, 2, 3, 4, 1, 2, 3, 4 below.

Sixth variation musical staff with fingering. It features a sequence of notes with Roman numerals VI, VII, VI above and numbers 3, 4, 1, 2, 3, 4, 1, 2, 3, 4, 1, 2 below.

Var. 4

Seventh variation musical staff (Var. 4) with fingering. It features a sequence of notes with Roman numerals II above and numbers 1, 2, 2, 3, 1, 2, 3, 4 below.

Eighth variation musical staff with fingering. It features a sequence of notes with Roman numerals II, VI, VII above and numbers 1, 2, 3, 4, 3, 4, 1, 2 below.

Ninth variation musical staff with fingering. It features a sequence of notes with Roman numerals VI, V above and numbers 3, 4, 1, 2, 3, 4, 1, 2 below.

II III IV V VI VII VIII VII VI V IV III II I

Var. 1 II I II VIII VII VIII VII

Var. 2 II VIII VII

Var. 3 II VIII VII

Var. 4 II VIII VII

II III IV V VI VII VI V IV III II I

Var. 1 II I II VII VI VII VI

Var. 2 II VII VI

Var. 3 II VII VI

Var. 4 II VII VI

Var. 1 II VII VI

Var. 2 II VII VI

Var. 3 II VII VI

III IV V VI VII VIII IX VII VI V IV III II I

Var. 1 III I III IX VII IX VII

Var. 2 III IX VII

Var. 3 III IX VII

Var. 4 III IX VII

II III IV V VI VII VIII VII VI V IV III II I
3/4 3/4 3/4 3/4

Var. 1 II I II VIII VII VIII VII
3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4

Var. 2 II VIII VII
3/4 3/4 3/4

Var. 3 II VIII VII
3/4 3/4 3/4 3/4

Var. 4 II VIII VII
3/4 3/4 3/4 3/4

III IV V VI VII VIII IX VII VI V IV III II I
3/4 2/3 2/3

Var. 1 III I III IX VII IX VII
3/4 2/3 2/3 2/3 2/3 2/3 2/3 3/4

Var. 2 III IX VII
3/4 2/3 2/3 3/4

Var. 3 III IX VII
3/4 2/3 2/3 2/3 3/4

Var. 4 III IX VII
3/4 2/3 2/3 3/4

IV V VI VII VIII IX X VII VI V IV III II I
3/4 1/2 1/2

Var. 1 IV I IV X VII X VII
3/4 1/2 1/2 1/2 3/4 1/2 3/4

Var. 2 IV X VII
3/4 1/2 1/2 3/4

Var. 3 IV X VII
3/4 1/2 1/2 3/4

Var. 4 IV X VII
3/4 1/2 1/2 3/4

Shifts in Octaves

II III IV V VI VII VIII VII VI V IV III II I
 1 4 1 4 1 4 1
 Var. 1 2 3 4

For most violinists the playing of "fingered octaves" entails a stretching back of the first and second fingers. Therefore the positions in the following exercises are determined by the upper note, and are marked accordingly.

II III IV V VI VII VIII IX VIII VII VI V IV III II
 1 3 1 3 1 3 1 3 1 3 1 3 1
 Var. 1 2 3 4

Main musical staff with fret numbers II, III, IV, V, VI, VII, VIII, IX, VIII, VII, VI, V, IV, III, II. Fingerings: 4/2, 4/2, 4/2, 4/2.

Var. 1: Fret numbers II, III, II, III, IX, VIII, IX, VIII. Fingerings: 4/2, 4/2, 4/2, 4/2, 4/2, 4/2, 4/2, 4/2.
Var. 2: Fret numbers II, III, IX, VIII. Fingerings: 4/2, 2 2 1 2 4 3 4, 4/2, 4 4 3 4 2, 4/2.

Var. 3: Fret numbers II, III, IX, VIII. Fingerings: 4/2, 4/2, 4 3 4 2 1 2, 4/2, 4/2, 2 1 2 4 3 4.

Var. 4: Fret numbers II, III, IX, VIII. Fingerings: 4/2, 2 1 2 4 3 4, 4 3 4 2 1 2, 4/2, 4 3 4 2 1 2, 4/2, 2 1 2 4 3 4.

Main musical staff with fret numbers II, IV, V, VI, VII, VIII, IX, X, VIII, VII, VI, V, IV, III, II. Fingerings: 4/2, 3/1, 3/1, 4/2.

Var. 1: Fret numbers II, IV, II, IV, X, VIII, X, VIII. Fingerings: 4/2, 3/1, 4/2, 3/1, 3/1, 3 4, 3/1, 3 4.
Var. 2: Fret numbers X, VIII. Fingerings: 3 4, 1 2, 2 1 2 4 3 4, 3/1, 3/1, 3 4 3 1 2, 4/2.

Var. 3: Fret numbers II, IV, X, VIII. Fingerings: 4/2, 3/1, 3 4, 3/1, 3/1, 3 4 3 1 2, 4/2.

Var. 4: Fret numbers II, IV, X, VIII. Fingerings: 3/1, 4/2, 3/1, 3 4, 3/1, 3/1, 3 4 3 1 2, 4/2.