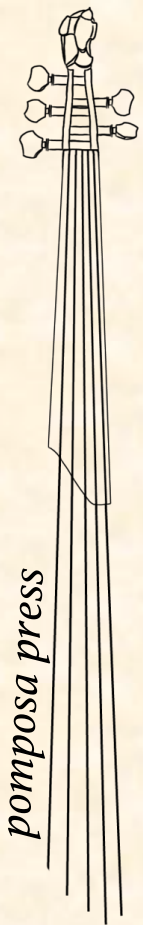


**RUDOLF
HAKEN**

**SCALES AND
ARPEGGIOS
FOR THE VIOLA**



pomposa press

RUDOLF HAKEN
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Arpeggios in this book are the same as in the Carl Flesch Scale System. As in the Flesch system, minor scales are in melodic form for single stops, and harmonic form for double stops. For quick mastery of scales and arpeggios in all keys, the following changes have been made from the Flesch system:

1. Scales are ordered chromatically rather than by the circle of fifths.
2. Fingerings follow the same pattern for every key, and are identical ascending and descending. For scales in the higher positions, fingerings are modified to facilitate execution of the highest pitches. Once scales and arpeggios have been mastered in all keys, they can be practiced with a variety of fingerings.
3. Double-stop scales have a span of only one octave. Once this is mastered, students are ready to learn double-stop scales in two and three octaves. Before attempting scales in thirds, sixths, and octaves, refer to the Guide to Scales in Double Stops available for download at www.pomposapress.com

SCALE PATTERNS FOR ALL MAJOR AND MINOR SCALES

major

A treble clef staff showing the major scale pattern. The notes are whole notes on the lines and spaces: C4, D4, E4, F4, G4, A4, B4, C5. Below the staff, the notes are numbered 1 through 8. Brackets connect the notes to their functional names: 1 (tonic), 2 (supertonic), 3 (mediant), 4 (subdominant), 5 (dominant), 6 (submediant), 7 (leading tone), and 8 (tonic).

natural minor

A treble clef staff with a key signature of two flats (Bb, Eb) showing the natural minor scale pattern. The notes are whole notes: Bb3, C4, D4, Eb4, F4, G4, Ab4, Bb4. Below the staff, the notes are numbered 1 through 8. Brackets connect the notes to their functional names: 1 (tonic), 2 (supertonic), 3 (mediant), 4 (subdominant), 5 (dominant), 6 (submediant), 7 (leading tone), and 8 (tonic).

harmonic minor

A treble clef staff with a key signature of two flats (Bb, Eb) showing the harmonic minor scale pattern. The notes are whole notes: Bb3, C4, D4, Eb4, F4, G4, Ab4, Bb4. The 7th note (Ab) is raised to A4. Below the staff, the notes are numbered 1 through 8. Brackets connect the notes to their functional names: 1 (tonic), 2 (supertonic), 3 (mediant), 4 (subdominant), 5 (dominant), 6 (submediant), 7 (leading tone), and 8 (tonic). A box labeled "3 half-steps" is placed between the 6th and 7th notes.

melodic minor (ascending)

A treble clef staff with a key signature of two flats (Bb, Eb) showing the melodic minor scale pattern (ascending). The notes are whole notes: Bb3, C4, D4, Eb4, F4, G4, Ab4, Bb4. The 7th note (Ab) is raised to A4. Below the staff, the notes are numbered 1 through 8. Brackets connect the notes to their functional names: 1 (tonic), 2 (supertonic), 3 (mediant), 4 (subdominant), 5 (dominant), 6 (submediant), 7 (leading tone), and 8 (tonic).

melodic minor (descending)

A treble clef staff with a key signature of two flats (Bb, Eb) showing the melodic minor scale pattern (descending). The notes are whole notes: Bb4, Ab4, G4, F4, Eb4, D4, C4, Bb3. Below the staff, the notes are numbered 8 through 1. Brackets connect the notes to their functional names: 8 (tonic), 7 (supertonic), 6 (mediant), 5 (subdominant), 4 (dominant), 3 (submediant), 2 (leading tone), and 1 (tonic).

C MAJOR / C MINOR

1 II 1 II 4 1 3 1 2

1 II 1 II 4 1 3 1 2

1 II 1 1 0 1 II 1 1 0

1 II 1 2 1 1 II 1 2 1

1 II 1 2 1

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

1 II 1 II 3 III 2

D 1 2 1 2 A 1 2 1 2 1 2 1 D 2 1 2 1

G 3 4 3 4 D 3 4 3 4 3 4 3 G 4 3 4 3

D 1 2 1 2 A 1 2 1 2 1 2 1 D 2 1 2 1

G 3 4 3 4 D 3 4 3 4 3 4 3 G 4 3 4 3

G 2 2 3 4 D 2 2 3 4 3 2 2 G 4 3 2 2

C 1 1 2 3 G 1 1 2 3 2 1 1 C 3 2 1 1

G 2 2 3 4 D 2 2 4 4 4 2 2 G 4 3 2 2

C 1 1 2 3 G 1 1 3 3 3 1 1 C 3 2 1 1

all first and fourth finger

D A D

G D G

all first and fourth finger

D A D

G D G

C# MAJOR / C# MINOR

The musical score is organized into ten systems, each consisting of three staves: a Bass staff, a Treble staff, and a Bass staff. The key signature is C# Major / C# Minor. The exercises include various scale patterns with specific fingering and bowing instructions:

- System 1:** Features a scale starting on G# in the Bass staff, moving up and then down. Fingering includes 1, II 4, III 1, II 1, II 3, III 1, and III 3.
- System 2:** Similar to System 1, but with different fingering: 1, II 4, III 1, II 1, II 3, III 1, and III 3.
- System 3:** Shows a scale starting on G# in the Treble staff, moving up and then down. Fingering includes 1, I 1, I 1, I 1, and I 1.
- System 4:** Similar to System 3, with fingering 1, I 1, I 1, I 1, and I 1.
- System 5:** Similar to System 3, with fingering 1, I 1, I 1, 2, and 2.
- System 6:** Similar to System 3, with fingering 1, I 1, I 1, 2, and 2.
- System 7:** Similar to System 3, with fingering 1, I 1, I 1, 2, and 2.
- System 8:** Features a scale starting on G# in the Bass staff, moving up and then down. Fingering includes 1, 3, 4, 2, I 1, I 3, 4, 2, II 2, 4, 3, I 2, 4, 3, and I 2, 4, 3.
- System 9:** Features a scale starting on G# in the Bass staff, moving up and then down. Fingering includes 1, I 1, II 3, and III 3.

D 1 2 1 2 A 1 2 1 2 D 2 1 2 1

G 3 4 3 4 D 3 4 3 4 G 4 3 4 3

D 1 2 1 2 A 1 2 1 2 D 2 1 2 1

G 3 4 3 4 D 3 4 3 4 G 4 3 4 3

G 2 2 3 4 D 2 2 3 4 G 4 3 2 2

C 1 1 2 3 G 1 1 2 3 C 3 2 1 1

G 2 2 3 4 D 2 2 4 4 G 4 3 2 2

C 1 1 2 3 G 1 1 3 3 C 3 2 1 1

all first and fourth finger

G D G

C G C

all first and fourth finger

G D G

C G C

D MAJOR / D MINOR

This page contains eight systems of musical notation for Viola Scales in D Major and D Minor. Each system consists of a bass clef staff and a treble clef staff. The scales are written in 3/4 time and include various fingerings and articulations.

System 1: D Major scale, ascending and descending. Fingerings: 1, III 1, II 1, II 4, II 1 3, III 1 3.

System 2: D Minor scale, ascending and descending. Fingerings: 1, III 1, II 1, II 4, II 1 3, III 1 3.

System 3: D Major scale, ascending and descending. Fingerings: 1, II 1, 1, 1, 1, II 1, 1, 1.

System 4: D Major scale, ascending and descending. Fingerings: 1, II 1, 2, 2, 1, II 1, 2, 2.

System 5: D Major scale, ascending and descending. Fingerings: 1, II 1, 2, 2, II 2, 2.

System 6: D Major scale, ascending and descending. Fingerings: 1, 3, 4, 2, 1, 3, 4, 2, 1, 3, 4, 2, 4, 2, 4, 3, 1, 2, 4, 3, 1, 2, 4, 3.

System 7: D Major scale, ascending and descending. Fingerings: 1, II 1, II 3, III 3.

D 1 2 1 2 A 1 2 1 2 1 2 1 D 2 1 2 1

G 3 4 3 4 D 3 4 3 4 G 4 3 4 3

D 1 2 1 2 A 1 2 1 2 1 2 1 D 2 1 2 1

G 3 4 3 4 D 3 4 3 4 G 4 3 4 3

G 2 2 3 4 D 2 2 3 4 3 2 2 G 4 3 2 2

C 1 1 2 3 G 1 1 2 3 2 1 1 C 3 2 1 1

G 2 2 3 4 D 2 2 4 4 4 2 2 G 4 3 2 2

C 1 1 2 3 G 1 1 3 3 3 1 1 C 3 2 1 1

all first and fourth finger

G D G

C G C

all first and fourth finger

G D G

C G C

E \flat MAJOR / E \flat MINOR

1 III 1 II 1 II 4 II 1 3 III 1 3

1 III 1 II 1 II 4 II 1 3 III 1 3

1 III 1 II 1 II 1 III 1 II 1 II 1

1 III 1 II 1 2 2 III 1 II 1 2 2

1 III 1 II 1 2 2 III 1 II 2 II 2

1 3 4 2 III 1 3 4 2 II 1 3 4 2 4 2 4 3 1 II 2 III 2 4 3 1 2 4 3

1 III 1 II 1 II 3 III 3

D ————— A ————— D —————
 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1

 G ————— D ————— G —————
 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3

D ————— A ————— D —————
 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1

 G ————— D ————— G —————
 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3

G ————— D ————— G —————
 2 2 3 4 2 2 3 4 3 2 2 4 3 2 2 4 3 2 2

 C ————— G ————— C —————
 1 1 2 3 1 1 2 3 2 1 1 3 2 1 1 3 2 1 1

G ————— D ————— G —————
 2 2 3 4 2 2 4 4 4 2 2 4 3 2 2 4 3 2 2

 C ————— G ————— C —————
 1 1 2 3 1 1 3 3 3 1 1 3 2 1 1 3 2 1 1

all first and fourth finger

G ————— D ————— G —————

 C ————— G ————— C —————

all first and fourth finger

G ————— D ————— G —————

 C ————— G ————— C —————

E MAJOR / E MINOR

1 III 1 II 1 II 4 II 1 3 III 1 3

First system of musical notation for E Major / E Minor scale. It consists of two staves (bass and treble clef) with a 3/4 time signature. The scale is written in a single line across both staves. Fingering numbers (1, 2, 3, 4) and Roman numerals (I, II, III) are placed above the notes to indicate fingerings and positions.

1 III 1 II 1 II 4 II 1 3 III 1 3

Second system of musical notation for E Major / E Minor scale. It consists of two staves (bass and treble clef) with a 3/4 time signature. The scale is written in a single line across both staves. Fingering numbers (1, 2, 3, 4) and Roman numerals (I, II, III) are placed above the notes to indicate fingerings and positions.

1 III 1 II 1 II 1 III 1 II 1 II 1

Third system of musical notation for E Major / E Minor scale. It consists of two staves (bass and treble clef) with a 3/4 time signature. The scale is written in a single line across both staves. Fingering numbers (1, 2, 3, 4) and Roman numerals (I, II, III) are placed above the notes to indicate fingerings and positions.

1 III 1 II 1 II 2 III 1 II 1 II 2 2

Fourth system of musical notation for E Major / E Minor scale. It consists of two staves (bass and treble clef) with a 3/4 time signature. The scale is written in a single line across both staves. Fingering numbers (1, 2, 3, 4) and Roman numerals (I, II, III) are placed above the notes to indicate fingerings and positions.

1 III 1 II 1 II 2 II 2 2

Fifth system of musical notation for E Major / E Minor scale. It consists of two staves (bass and treble clef) with a 3/4 time signature. The scale is written in a single line across both staves. Fingering numbers (1, 2, 3, 4) and Roman numerals (I, II, III) are placed above the notes to indicate fingerings and positions.

1 3 4 2 III 1 3 4 2 II 1 3 4 2 4 2 4 3 II 1 2 4 3 III 1 2 4 3

Sixth system of musical notation for E Major / E Minor scale. It consists of two staves (bass and treble clef) with a 3/4 time signature. The scale is written in a single line across both staves. Fingering numbers (1, 2, 3, 4) and Roman numerals (I, II, III) are placed above the notes to indicate fingerings and positions. Some numbers are enclosed in boxes.

1 III 1 II 1 II 3 III 3

Seventh system of musical notation for E Major / E Minor scale. It consists of two staves (bass and treble clef) with a 3/4 time signature. The scale is written in a single line across both staves. Fingering numbers (1, 2, 3, 4) and Roman numerals (I, II, III) are placed above the notes to indicate fingerings and positions.

D 1 2 1 2 A 1 2 1 2 D 2 1 2 1
 3 4 3 4 3 4 3 4 3 4 3 4 4 3 4 3

D 1 2 1 2 A 1 2 1 2 D 2 1 2 1
 3 4 3 4 3 4 3 4 3 4 3 4 4 3 4 3

G 2 2 3 4 D 2 2 3 4 G 4 3 2 2
 C 1 1 2 3 G 1 1 2 3 C 3 2 1 1

G 2 2 3 4 D 2 2 4 4 G 4 3 2 2
 C 1 1 2 3 G 1 1 3 3 C 3 2 1 1

all first and fourth finger

G D G
 C G C

all first and fourth finger

G D G
 C G C

G 1 2 1 2 D 1 2 1 2 1 2 1 G 2 1 2 1

C 3 4 3 4 G 3 4 3 4 3 4 3 C 4 3 4 3

G 1 2 1 2 D 1 2 1 2 1 2 1 G 2 1 2 1

C 3 4 3 4 G 3 4 3 4 3 4 3 C 4 3 4 3

D 2 2 3 4 A 2 2 3 4 3 2 2 D 4 3 2 2

G 1 1 2 3 D 1 1 2 3 2 1 1 G 3 2 1 1

D 2 2 3 4 A 2 2 4 4 4 2 2 D 4 3 2 2

G 1 1 2 3 D 1 1 3 3 3 1 1 G 3 2 1 1

all first and fourth finger

G

C

all first and fourth finger

G

C

F# MAJOR / F# MINOR

1 III 1 II 1 II 4 II 1 3 III III 1 3

1 III 1 II 1 II 4 II 1 3 III III 1 3

1 III 1 II 1 1 1 III 1 II 1 1

1 III 1 II 1 2 2 III 1 II 1 2 2

1 III 1 II 1 2 2

1 3 4 2 III 1 3 4 2 II 1 3 4 2 4 2 4 3 II 2 4 3 1 2 4 3

1 III 1 II 1 II 3 3

G 1 2 1 2 D 1 2 1 2 1 2 1 G 2 1 2 1

C 3 4 3 4 G 3 4 3 4 C 4 3 4 3

G 1 2 1 2 D 1 2 1 2 1 2 1 G 2 1 2 1

C 3 4 3 4 G 3 4 3 4 C 4 3 4 3

D 2 2 3 4 A 2 2 3 4 3 2 2 D 4 3 2 2

G 1 1 2 3 D 1 1 2 3 2 1 1 G 3 2 1 1

D 2 2 3 4 A 2 2 4 4 4 2 2 D 4 3 2 2

G 1 1 2 3 D 1 1 3 3 3 1 1 G 3 2 1 1

all first and fourth finger

G D G

C G C

all first and fourth finger

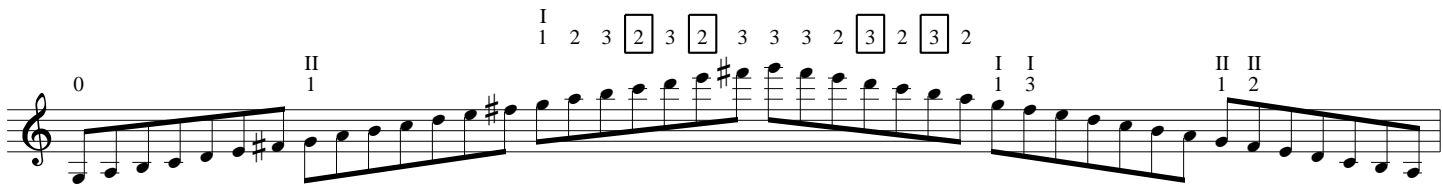
G D G

C G C

G MAJOR / G MINOR

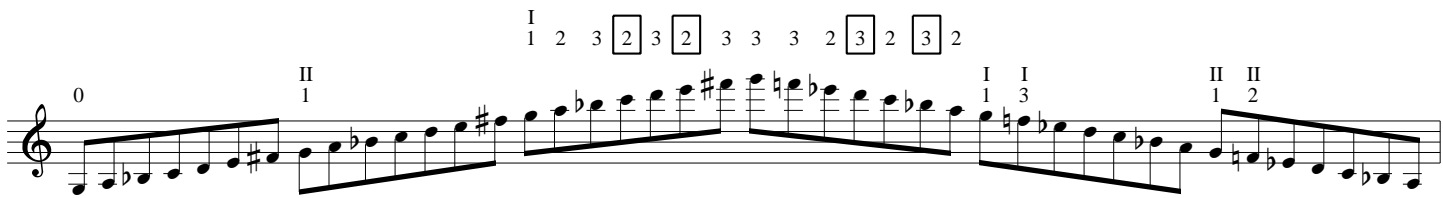
0 II I I I II II

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



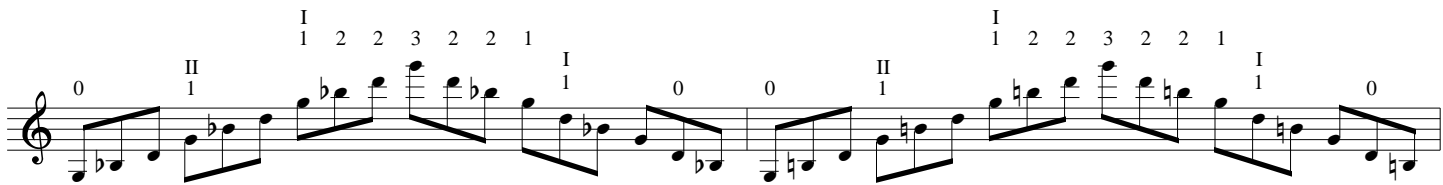
0 II I I I II II

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



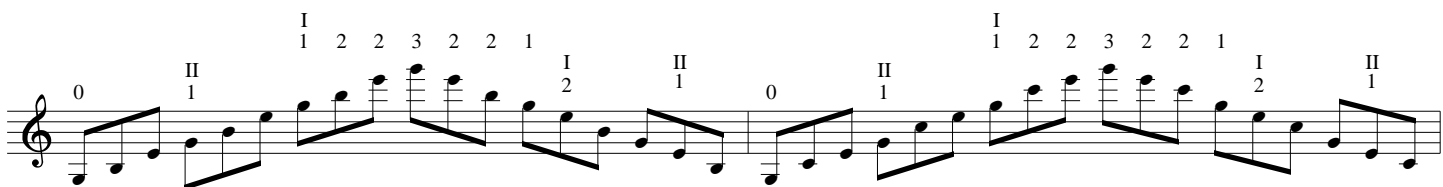
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1 2 2 3 2 2 1 1 2 2 3 2 2 1 0 0 1 1 2 2 3 2 2 1 0



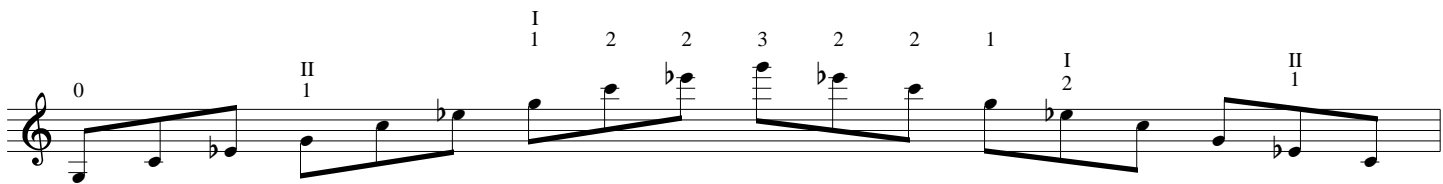
0 II I I I II I I II II

1 2 2 3 2 2 1 1 2 2 3 2 2 1 0 0 1 1 2 2 3 2 2 1 0



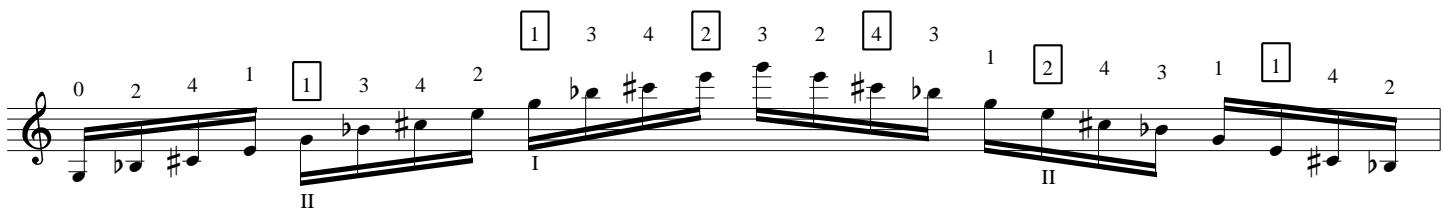
0 II I I I II I II I II

1 2 2 3 2 2 1 1 2 2 3 2 2 1 0 0 1 1 2 2 3 2 2 1 0



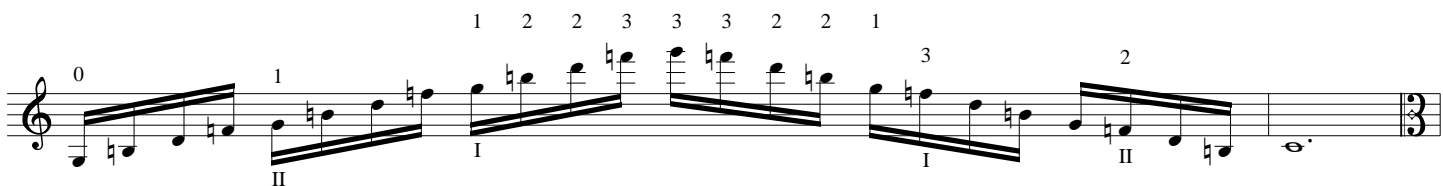
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II I II I II I II I II



0 1 2 2 3 3 3 2 2 1 3 2

II I II I II I II I II



G 1 2 1 2 D 1 2 1 2 1 2 1 G 2 1 2 1

C 3 4 3 4 G 3 4 3 4 3 4 3 C 4 3 4 3

G 1 2 1 2 D 1 2 1 2 1 2 1 G 2 1 2 1

C 3 4 3 4 G 3 4 3 4 3 4 3 C 4 3 4 3

D 2 2 3 4 A 2 2 3 4 3 2 2 D 4 3 2 2

G 1 1 2 3 D 1 1 2 3 2 1 1 G 3 2 1 1

D 2 2 3 4 A 2 2 4 4 4 2 2 D 4 3 2 2

G 1 1 2 3 D 1 1 3 3 3 1 1 G 3 2 1 1

all first and fourth finger

G 1 1 2 3 D 1 1 3 3 3 1 1 G 3 2 1 1

C 3 4 3 4 G 3 4 3 4 3 4 3 C 4 3 4 3

all first and fourth finger

G 1 1 2 3 D 1 1 3 3 3 1 1 G 3 2 1 1

C 3 4 3 4 G 3 4 3 4 3 4 3 C 4 3 4 3

A \flat MAJOR / A \flat MINOR

III 1 II 1 I 2 3 2 3 2 3 3 3 2 3 2 3 2 I 1 I 3 II II 1 3

III 1 II 1 I 2 3 2 3 2 3 3 3 2 3 2 3 2 I 1 I 3 II II 1 3

III 1 II 1 I 1 2 2 3 2 2 1 I 1 II 1 III 1 II 1 I 1 2 2 3 2 2 1 I 1 II 1

III 1 II 1 I 1 2 2 3 2 2 1 I 2 II 2 III 1 II 1 I 1 2 2 3 2 2 1 I 2 II 2

III 1 II 1 I 1 2 2 3 2 2 1 I 2 II 2 III 1 II 1 I 1 2 2 3 2 2 1 I 2 II 2

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

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

G 1 2 1 2 D 1 2 1 2 G 2 1 2 1
 1 2 1 2 1 2 1 2 1 2 1 2
 C 3 4 3 4 G 3 4 3 4 C 4 3 4 3

G 1 2 1 2 D 1 2 1 2 G 2 1 2 1
 1 2 1 2 1 2 1 2 1 2 1 2
 C 3 4 3 4 G 3 4 3 4 C 4 3 4 3

D 2 2 3 4 A 2 2 3 4 D 4 3 2 2
 2 2 3 4 2 2 3 4 4 3 2 2
 G 1 1 2 3 D 1 1 2 3 G 3 2 1 1

D 2 2 3 4 A 2 2 4 4 D 4 3 2 2
 2 2 3 4 2 2 4 4 4 3 2 2
 G 1 1 2 3 D 1 1 3 3 G 3 2 1 1

all first and fourth finger

D A D
 1 2 3 4 1 2 3 4 1 2 3 4
 G D G

all first and fourth finger

D A D
 1 2 3 4 1 2 3 4 1 2 3 4
 G D G

A MAJOR / A MINOR

III 1 II 1 I 1 2 3 2 3 2 3 3 3 2 3 2 3 2 I 1 I 1 II II 1 3

III 1 II 1 I 1 2 3 2 3 2 3 3 3 2 3 2 3 2 I 1 I 1 II II 1 3

III 1 II 1 I 1 2 2 3 2 2 1 I 1 II 1 III 1 II 1 I 1 2 2 3 2 2 1 I 1 II 1

III 1 II 1 I 1 2 2 3 2 2 1 I 2 II 2 III 1 II 1 I 1 2 2 3 2 2 1 I 2 II 2

III 1 II 1 I 1 2 2 3 2 2 1 I 2 II 2 III 1 II 2

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

III II I II

1 2 2 3 3 3 2 2 1 3 3

III II I I II

G 1 2 1 2 D 1 2 1 2 G 2 1 2 1
 1 2 1 2 1 2 1 2 1 2 1 2
 C 3 4 3 4 G 3 4 3 4 C 4 3 4 3

G 1 2 1 2 D 1 2 1 2 G 2 1 2 1
 1 2 1 2 1 2 1 2 1 2 1 2
 C 3 4 3 4 G 3 4 3 4 C 4 3 4 3

D 2 2 3 4 A 2 2 3 4 D 4 3 2 2
 2 2 3 4 2 2 3 4 4 3 2 2
 G 1 1 2 3 D 1 1 2 3 G 3 2 1 1

D 2 2 3 4 A 2 2 4 4 D 4 3 2 2
 2 2 3 4 2 2 4 4 4 3 2 2
 G 1 1 2 3 D 1 1 3 3 G 3 2 1 1

all first and fourth finger

D A D
 1 2 3 4 1 2 3 4 1 2 3 4
 G D G

all first and fourth finger

D A D
 1 2 3 4 1 2 3 4 1 2 3 4
 G D G

B \flat MAJOR / B \flat MINOR

III 1 II 1 I 1 2 3 2 3 2 3 3 3 2 3 2 3 2 I 1 3 II 1 3

III 1 II 1 I 1 2 3 2 3 2 3 3 3 2 3 2 3 2 I 1 3 II 1 3

III 1 II 1 I 1 2 2 3 2 2 1 I 1 II 1 III 1 II 1 I 1 2 2 3 2 2 1 I 1 II 1

III 1 II 1 I 1 2 2 3 2 2 1 I 2 II 2 III 1 II 1 I 1 2 2 3 2 2 1 I 2 II 2

III 1 II 1 I 1 2 2 3 2 2 1 I 2 II 2

1 3 4 2 1 3 4 2 I 1 3 4 2 3 2 4 3 I 1 2 4 3 II 1 2 4 3

1 2 2 3 3 3 2 2 1 I 3 II 3

G 1 2 1 2 D 1 2 1 2 1 2 1 G 2 1 2 1

 C 3 4 3 4 G 3 4 3 4 3 4 3 C 4 3 4 3

G 1 2 1 2 D 1 2 1 2 1 2 1 G 2 1 2 1

 C 3 4 3 4 G 3 4 3 4 3 4 3 C 4 3 4 3

G 2 2 3 4 D 2 2 3 4 3 2 2 G 4 3 2 2

 C 1 1 2 3 G 1 1 2 3 2 1 1 C 3 2 1 1

G 2 2 3 4 D 2 2 4 4 4 2 2 G 4 3 2 2

 C 1 1 2 3 G 1 1 3 3 3 1 1 C 3 2 1 1

all first and fourth finger
 D A D

 G D G

all first and fourth finger
 D A D

 G D G

G 1 2 1 2 D 1 2 1 2 G 2 1 2 1
 3 4 3 4 3 4 3 4 3 4 3 4

G 1 2 1 2 D 1 2 1 2 G 2 1 2 1
 3 4 3 4 3 4 3 4 3 4 3 4

G 2 2 3 4 D 2 2 3 4 G 4 3 2 2
 1 1 2 3 1 1 2 3 3 2 1 1

G 2 2 3 4 D 2 2 4 4 G 4 3 2 2
 1 1 2 3 1 1 3 3 3 2 1 1

all first and fourth finger

D A D
 G D G

all first and fourth finger

D A D
 G D G