

# Two Octave Scales and Arpeggios

Edited by Gabriel A. Villasurda  
revised, 2005

## C MAJOR/ A MINOR

The musical score consists of four staves of music in treble clef, each with a double bar line at the end. The first staff shows the C major scale ascending and descending, with fingering: -1 III, 4, -2 I. The second staff shows the A minor scale ascending and descending, with fingering: -1 3 2 4, 3 1-2, -1 3 1 4, 3 -2, IV, A, I, V, A, I. The third staff shows the C major scale ascending and descending with sharps, with fingering: 4 0, -1 III, -1 V, -1 VII, 4 3 2-3, -2 V, -2 III, 4, -2 I, 4. The fourth staff shows the A minor scale ascending and descending with naturals, with fingering: 0 -1 3 +4, 0 -2, -1 -1 3 2 4, 3 1-3, III, I, III, V, A, I.

F MAJOR/ D MINOR

-1 III  
 -1 2 3 4 V  
 -2 4 III  
 -2 I

-1 3 1 4 V  
 3 -2 A I  
 -1 3 1 4 2 4 V A  
 4 -3 A I

4# 0  
 -1 III  
 4 -2 I  
 4

-1 -1 3 2 4 III V  
 3 -1 0 -2 A III I  
 -1 -1 3 1 4 III VI  
 3 1 -1 3 A III  
 0 2

B-FLAT/ G MINOR

-1 III  
 -1 -1 2 3 4 V VII  
 +4 -4 3 -3 2 1 -3 IV I

-1 1 4 2 4 V A  
 4 1 -3 A I  
 -1 -1 3 2 4 III VI  
 3 1 -2 A III  
 -1 I

-1 III  
 3 -1 VI  
 -3 III  
 4 1 -2 I

-1 III  
 4 A  
 3 D  
 0 -2 I  
 -1 3 2 4 IV  
 3 1 -2 A I

-1 2  
IV 4 1-3  
I

-1 3 1 4  
IV 3 -1  
A I -2 1 3 +4 3  
III 4 2 -1  
I

-1  
III 4 -2  
I

-1 3 2 4  
IV 1-2  
I -1 3 1 4  
V 3 -2  
A I

A-FLAT MAJOR/ F MINOR

4 -1 -1 -1  
III V VII 4-4 3  
VI -3 4 -2  
III A I

-2 3 +4 4 -1  
III D I -2 -1  
III V 3 2 4  
3 -3  
A I

-1 -1  
III V 3 2 -3 2  
III 4 -2  
I

-1 3 1 4  
V 3 1-2  
A I -1 4 2 4  
V 4 1-3  
A I

E MAJOR/ C-SHARP MINOR

2 1 -1 -1 -1 4 -3 1 -1 2  
HP I IV A I HP

HP  
1 3  
2 -1 2 +4 2 -1 0 -1 3 +4 3 0 -2  
III I III I

4 4 -1 -2  
III I

1 -3  
-1 3 2 4 0 -2 -1 3 1 4 3 -2 4  
IV I V A I

A MAJOR/ F# MINOR

4 0 -1 -1 -1 4 4 3 1 -3 4 -2  
III V VII VI III I

0 -1 3 +4 3 0 -2 -1 -1 3 2 4 3 1 -3  
III I III V A I

-1 -1 4 3 2 -3 4 -2  
III V III I

-1 3 1 4 3 -2 -1 3 +4 1 -1  
V A I IV I

D MAJOR/ B MINOR

4 0 -1 III -2 I 4

-1 -1 3 2 4 3 -1 0 -2 -1 -1 3 1 4 3 1 -1 3 1 0 2

III V A III I III VI III

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

HP I III V VII VIII VI III I HP

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

V I III VI A III I

G MAJOR/ E MINOR

-1 3 -1 1 -3 -2

III VI III I

-1 -0 -1 3 2 4 3 -0 2

III IV A I

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

HP I IV I HP

-1 -1 3 2 4 3 1 -2 3 -1 -1 3 +4 -0 2

III VI A III III I

Viola

# Two Octave Scales and Arpeggios

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## C MAJOR/ A MINOR

The musical score consists of four staves of music in 2/4 time, each with a treble clef and a key signature of one sharp (F#). The first staff shows the C major scale ascending and descending, with fingerings: 0, -1 III, -1 V, 4, +4-4, -2 III, 4, -2 I. The second staff shows arpeggios for C major (C-E-G-A-C-E-G) and A minor (A-C-E-G-A-C-E), with fingerings: -1 3 1 III, 4 2 4 D, 4 1 3 G, -0 I, -1 IV, 3 2 4 A, 3 -0 2 D, I. The third staff shows the A minor scale ascending and descending, with fingerings: 2 HP, 1-1 I, -1 IV, 1, -3 I, 1-1 HP, 2. The fourth staff shows arpeggios for A minor (A-C-E-G-A-C-E) and C major (C-E-G-A-C-E), with fingerings: -1 III, -1 3 2 4 D, 3 A, -0 1 D, I, -1 3 1 IV, -1 3 1 4 D, 3 1 A, -0 2 D, I.

F MAJOR/ D MINOR

-1 4 -2 4  
III D I

-1 3 2 4 3 -0 2 -1 3 1 4 3 2 -0 2  
IV A D I D A D G I

2 1 -1 -1  
HP I HP

0 -1 3 4 -0 2 -0 1 -1 3 2 4 3 3 -0 2  
III I III D A D G I

B-FLAT MAJOR/ G MINOR

-1 -1 -2 4 -2  
III V III I

-1 3 1 4 3 2 -0 2 -1 4 2 4 4 3 1 2 -0  
D A D G I D A D G C

4 0 -1 4 -2 4  
III D I

-1 3 2 4 3 3 -0 1 3 1 -1 3 1 4 3 1 -1 3 1 0  
D A D G I III D A D III G

E-FLAT MAJOR/ C MINOR

4 4

-1 4 2 4 4 3 1-2 0 -1 3 2 -1 3 2 4 3 -2 3 1-1  
 V A D G C I III D VI

-1 III 3 -1 VI 4 3 2-3 IV -3 I

-1 3 1 4 2 4 4 1 3 1-0 -1 3 2 4 3 1-2 I  
 III D G I IV A D I

A-FLAT MAJOR/ F MINOR

4 -1 1 4 -3  
 IV D I

-1 3 1 4 3 1-1 -1 4 2 4 4 1 3 1-1  
 IV A D I IV D G I

-1 III 4 D -2 I 4

-1 3 2 4 3 1-2 4 -1 3 1 4 3 1-2 4  
 IV A D I D A D I

E MAJOR/ C# MINOR

4

4 -1 V 4 2 4 4 1-3 I 4 -1 III -1 3 2 4 3 1-2 -1 I

4 -1 III 1 3-1 VI 4 3 2-3 IV -3 I 4

1 3 1-1 HP III 3 1 4 2 4 4 1 3 D G 1-1 3 HP I 1-3 I -1 IV 3 2 4 3 -0 I

A MAJOR/ F# MINOR

2 1 -1 HP I -1 IV -3 I 1 -1 2 HP

1 3 2 -1 3 2 4 2 +4 2 4 -0 1 HP III D A D I -1 3 +4 III -0 2 I

4 4 -1 III 4 -2 I 4

-3 I -1 IV 3 2 4 3 -0 I -1 D V 3-1 4 3 1-2 0 A D I

D MAJOR / B MINOR

4 0 -1 -1 -1 4-4 3 -3 -2  
III V VII VI III I

0 -1 3 +4 -0 2 -1 3 2 4 3 1 3-0  
III I D A D G

2 -1 -1 2 3 -3 4 -2  
III V III I

-1 3 1 4 3 1 2-0 -1 4 2 4 4 1 3 1 2-0  
D A D G I D A D G C I  
V V

G MAJOR / E MINOR

4 0 -1 4 -  
III I

-1 3 2 4 3 3-0 -1 3 1 1 3 1 4 3 1-1 3 1-0  
D A D G I III D A III I  
V VI

2 1-1 -1 -1 3-1 4 3 2-3 -3 4 -2 -1 2  
HP I III V VIII VI III I HP

-1 4 2 4 4 1 3 1 2-0 1 3 2-1 3 2 4 3 1-0 1  
D A D G C III D A D I  
V VI

Cello

# Two Octave Scales and Arpeggios

Edited by Barbara Goodman Lees  
revised, 2005

## C MAJOR/ A MINOR

The musical score consists of four staves of music in bass clef, each with a key signature of one sharp (F#) and a 3/4 time signature. The first staff shows the C major scale ascending and descending. The second staff shows the A minor scale ascending and descending. The third staff shows the C major scale ascending and descending with a key signature change to one sharp (F#) for the second octave. The fourth staff shows the A minor scale ascending and descending with a key signature change to one sharp (F#) for the second octave. Fingerings and bowings are indicated by numbers and symbols below the notes. Chord diagrams are provided for the first and second octaves of both scales.

Fingerings and bowings for the first staff (C Major/A Minor):  
-1 IV, -1 0 2 3, 0-4 IV, -4 I

Fingerings and bowings for the second staff (C Major/A Minor):  
-1 4 IV, -2 4 I, 0, 2-1 3 V, 2 0 D, -0 I

Fingerings and bowings for the third staff (C Major/A Minor):  
2 1 -1 3 HP I, x2, -1 3 -1 2 III V, 3 2 1 1 3 1 -2 III I, -1 2 HP

Fingerings and bowings for the fourth staff (C Major/A Minor):  
1-1 IV, 4 1 -1 3 0 -1 VII, 4 1 -1 IV, 4 1 -1 4 IV, 1-φ VIII, 2 φ 3 φ 2, φ -1 4 1 3 IV

F MAJOR/ D MINOR

xl 2 - 1 3 4 - 2 xl  
 III I

-2 xl 4 - 2 1 3 2 - 4 xl 2 - 1 - 1 4 2 - 1 3 2 3 1 - 2 4 1 - 2 4  
 II V o II I IV o VII o IV I

2 1 - 1 x2 x1 1 1 2  
 HP I HP

4 - 1 3 1 - 4 0 xl 4 - 1 3 1 - 4 xl  
 V o I VI I

B FLAT MAJOR/ G MINOR

xl xl 2 - 1 2 4 - 1 2 3 - 4 - 2 xl  
 III VI III I

-1 4 2 - 1 3 2 1 - 2 4 1 - 2 - 1 4 2 - 1 3 1 - 2 4 1 - 1 2  
 IV VII o IV I III VI III I

2 1 4 - 1 x2 4 - 1 3 - 1 3 4 2 xl - 4 0 - 1 2  
 III II I IV I III

xl 4 - 1 3 - 4 0 - 1 x4 2 - 1 4 2 - 1 3 2 3 1 - 2 4 xl - 4  
 VI I II V VIII V I

E FLAT MAJOR/ C MINOR

2 x1 -1 2 4-1 3 4 -4 2 1-2  
III II III I

x1-1 4 2-1 3 -2 4 1-1 2 2 x1 1-4 1 4-1 3 1-4 1 4-1 2

x1 2 -1 x2 4-1 2 3 2 1 1 4 2 x1-4 -4 3 1-1 0  
IV VII IV I II I

2 x1 2-1 x4 -2 x1-3 1 4 1-1 3 -1 4 1 3-1 4  
IV I II V II I

A FLAT MAJOR/ F MINOR

x2 -1 x2 4-1 2 4-1 2 4-1 3 4 1-4 2 1-4 2 1-4 2 x1-4  
IV III II V II III IV I

2 x1-1 4 2-1 3 2 -2 4 1-1 x1 -4 1 4 2-1 3 1-2 4 1 4-1  
III VI III I II V II I

-1 x2 4-1 3 4-1 2-1 2-1 2 3 2 1 1 4 2 x1 -4 2 x1-4  
IV III VI VIII X VIII VI III IV I

x1-3 1 4 -2 x1 3 2 -4 1 3-1 x4 2-1 x4 2 -1 3 2 3 1 -2 4 x1-2  
II V II I IV VI IV I

E MAJOR/ C# MINOR

2 1 2 4 -1 2 4 - 1 3 4 -1 3 -1 2 -1 2 3 -2 -3 -4 -4 -4 2 1 2  
 HP III II V VII IX VII V II III HP

4 1 4 2 -1 4 2 -1 3 1-2 4 1-2 4 1 4 2-1 4 2 - 1 4-1 3 1-4 1-2 4 1 -2 4  
 HP III V III HP I III II VII II III HP

2 1 2 4 -1 x2 4 -1 3 4-1 2-1 3-1 2 3 2 1 1 3 1-2 1-3 x4 2 1-4 2 1  
 II I IV III V VII V III I V III I II

1 4 1-4 1 4 2-1 4 -2 4 1 4 -1 4 1-1 4 1-4 1 4 2-3 -2 4 1 4 -1 4 1 -1  
 HP I IV I HP III IV IV G III

A MAJOR/ F# MINOR

2 1 -1 x2 x2 -1 3-1 2 3 -3 1-3 x4 2 x4 2 1-1 2  
 HP I III V III I x4 2 HP

1 4 2 -1 4 2 -1 3 2 1-2 4 1-1 3 x4 0 -1 4 2 -1 3 -2 4 1 -0 x4  
 HP III III I II V II I

2 1 4-1 x2 -1 3-1 3 4-1 3-1 3 4 2 x1-3 0 x4 2 x4 2 1-4 2 1 2  
 II I HP II I III I

1-x4 1 4 2 2 -1 3 1-2 2 x1 -1 x4 2-1 x4 2 -1 3 2 -2 4 x1-2 4  
 HP I IV 0 I I IV VII IV I

D MAJOR/ B MINOR

x4 -1 3-1 2-1 2 3 -2 -3 -4  
IV VI VIII VI IV I

x4 -1 4 2-1 3 -2 4 1 0 4-1 3 -4  
II V o II I VI I

x2 I 0 x2 -1 2 4-1 x2 4-1 2 3 2↓ 1↓-3 1-4 x4 2 1 2  
I HP III VI IV I

1 x4 2-1 x4 2 -1 3 2 1 -2 4 x1-2 4 2 0 2 1 -1 x4 2-1 3 -2 4 x1-1 3  
IV VII IV I III VI III I

G MAJOR/ E MINOR

x4 4 -1 3 4 1-4 2 x4  
IV I

1 4-1 3 1-4 0 -1 4 2-1 3 2-1 3 2 1-2 ↑3 1-2 4  
VI I II V VIII VI II

2 1 2 4-1 x2 4 -1 3 4-1 2-1 2-1 2 3 2↓ 1↓ 2 1-2 1-4 2 x1 -4 2 x1-4 2 1 2  
HP III II V VII IX VII V II III HP

1-1 x4 2-1 3 1-2 4 1-1 0 -1 x4-1 3 -4 x1 -0  
III VI III I II VII II I







**E FLAT MAJOR/ C MINOR**

The image displays a musical score for the E flat major/C minor scale, presented in four systems. Each system consists of a treble clef staff with a key signature of two flats (Bb and Eb) and a bass clef staff with a key signature of one flat (Bb). The notes of the scale are written in a stepwise fashion across the staves. Below the notes, guitar fretboard diagrams are provided for both hands, with numbers 1-4 indicating fingerings. The diagrams are annotated with Roman numerals (I-VII) and 'HP' (Half Position) to indicate the scale's position on the fretboard. The first system covers the first four frets, the second system covers frets 4-7, the third system covers frets 7-10, and the fourth system covers frets 10-12. The notation includes various symbols such as 'φ' for phrasing, '↓' for accents, and '>' for accents, along with Roman numerals for chord positions.







D MAJOR/ B MINOR

4 2 - 0 1 4 4 - 2 4 - 1 4 - 1 2 - 2 3 2 - 2 1 2 - 2 1 4 - 1 4 - 2 1 - 4 2 - 4 0 - 2 4

II I III V VIII IX VIII V III II

0 1 0 - 4 1 2 1 2 1 2 1 2 1 0 2 0 - 4 1 - 1 2 1 4 - 0 1 - 1 2 1 4 - 0 1 - 1 2

I V D VIII VIII VIII IV D G VIII I

2 1 - 1 4 0 1 4 - 1 4 - 1 4 - 1 3 - 2 3 1 - 2 1 - 4 1 - 4 1 - 1 0 4 1 - 1 2

HP I HP II IV VI VIII VI IV II HP

0 1 1 - 2 1 - 4 1 - 4 - 2 - 4 - 1 1 - 4 - 2 4 - 1 1 - 4 1 - 4 4 - 1 4 - 1 4 - 1 2 1

II III V VIII V III VIII IV III IV VIII I

G MAJOR/ E MINOR

2 1 I  
 4 4 III  
 4 - 1 - 1 4 - 1 V  
 4 4 III  
 <3> 4 - 1 - 4 1 - 4 VI V  
 0  
 2 2 I  
 4 4 III  
 2 2 I

0 2 1 0 0 - 4 IV  
 1 - φ 2 φ - 1 VIII IV  
 4 - 0 I  
 2 - 4 1 - 4 2 - φ 3 φ - 2 4 - 1 4 - 2 2 VIII V  
 0 0 2 0 2 - 4 1 - 4 2 - φ 3 φ - 2 4 - 1 4 - 2 2 VIII V  
 0 0 2 0 2 - 4 1 - 4 2 - φ 3 φ - 2 4 - 1 4 - 2 2 VIII V

2 1 - 1 4 0 4 - 1 4 - 1 4 - φ 1 2 - 1 2 3 2 1 - 2 1 φ - 4 1 - 4 1 - 4 2 HP I III V VIII III I  
 2 1 - 1 4 0 4 - 1 4 - 1 4 - φ 1 2 - 1 2 3 2 1 - 2 1 φ - 4 1 - 4 1 - 4 2 HP I III V VIII III I

0 2 1 - 4 1 - 4 4 - φ 2 φ - 4 4 - 1 4 - 1 2 0 0 - 1 - 4 4 - 4 2 - φ 2 φ - 2 4 - 4 4 - 1 4 - 0 I III IV VIII IV III I II III V IX III II