

Jazz Arpeggios for Violin, Cello, and Viola

A Workbook For Internalizing 7th Chords In All Keys On Jazz
Violin, Cello, and Viola

By: Christian Howes

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Introduction

My classical violin training was invaluable. Nonetheless, there were gaps in the training, especially in regards to harmony, improvisation, and a broader exposure to different musical languages.

For the past 25 years, I have worked to expand my musicianship to include a greater understanding of harmony, improvisation, and other musical styles. This book covers a crucial aspect of internalizing harmony on bowed string instruments: internalizing common 7th chord qualities using arpeggios in all keys. I studied all this information the slow way, "in my head," and wish I would have had this resource when I was first starting. By referring to this, I hope you will save a lot of time and headaches!

To internalize harmony on any instrument, one must first be comfortable with commonly used chords, and ultimately be able to recognize all the voice-led relationships between common chord progressions. Bowed instruments can articulate some chords with double, triple, and quadruple stops, but the first step is to articulate the chords as arpeggios.

For a "chord glossary" as well as a systematic approach to internalizing triads and jazz chords using double, triple, and quadruple stops, please refer to my more comprehensive method, Jazz Violin Harmony Handbook (<http://christianhowes.com/creative-strings-shop/literature/violin-harmony-handbook/>). You can obtain a FREE download of the Jazz Violin Harmony Handbook by signing up for a free trial at the Creative Strings Academy. (<http://creativestrings.christianhowes.com/>)

Most classical bowed string players have not internalized triadic or 7th chord arpeggios sufficiently because they are only capable of quickly recalling the root position arpeggio. In "real" musical situations, such as when a player is improvising over a chord progression, one must be able to instantly recall chords from the root, 3rd, 5th or 7th, depending on the most musical (voice-led) option available. The lack of ability to recall chords from any inversion is one of the biggest handicaps for beginning and intermediate improvisers.

To overcome this handicap, I prescribe studying chords/arpeggios, their inversions, and accompanying scales in extended range. In other words, instead of learning chords and scales in root position, I suggest starting from the lowest note on your instrument in the scale/chord and end on the highest note in first position. Therefore, this workbook covers all commonly used 7th chord arpeggios in three forms:

- 1) Root position
- 2) Extended range
- 3) All inversions in extended range

Why is it necessary to study this information in order to be a capable improviser, you might ask? Why isn't it good enough to simply "use your ears"?

-Musical Situation "A"- Easy harmonic information - Improvisation is easier here because you're working with information you've already ingrained, such as a one chord vamp or simple progression over a few triads.

-Musical Situation "B"- Unfamiliar harmonic information, extended jazz harmony, or modulating harmony - Improvising over unfamiliar musical terrain (including chord progressions, meters, or stylistic frameworks) is nearly impossible just with the use of your ears, because they have not been trained to deal with this material!

Persisting to "use your ears" will lead quickly to diminishing returns, until you ingrain the information so that new harmonies are familiar and, at best, totally comprehended on your instrument in as many ways imaginable. These situations correspond with two states of mind:

a) Creative mental state (while playing in familiar musical terrain): In this state of mind, you can train your attention and energy on your imagination, easily architecting melodic lines, rhythms, and gestures like a painter applies color and line to a canvas.

b) "Learning/drilling" mental state (when playing over unfamiliar terrain): In this state, you are creatively paralyzed, until you internalize or memorize the material that was giving you a hard time. After that you can engage the imagination and focus on being creative, but first you need to internalize that unfamiliar material! Unfamiliar musical territory could include rhythmic and stylistic conventions, but it is often usually related to harmony, or the voice-led relationships between chords and scales.

In other words, our mind works in two ways. When confronted by things that are KNOWN to us, our mind "chunks" and moves very quickly, allowing us to react and be creative. When confronted by things that are as of yet UNKNOWN to us, we are required to THINK about the information, which slows us down, and is the enemy of an improviser! Not everything falls into this category, but for most classically trained musicians, we must DRILL fundamental harmonic information until it moves into the category of information that is KNOWN to us, so we can be creative with the material.

This workbook is designed to help you structure your "drilling" of commonly used "sophisticated/jazz" harmony, so that over time, it will become ingrained, and you will be able to recall the information, and recognize by ear, all of these harmonies as easily as you recognize a simple progression now.

This book will help a LOT if you work through it systematically. However it is not intended as a comprehensive resource of jazz harmony and improvisation. Accomplished jazz musicians often have a nearly encyclopedic knowledge, like a mental map, of chordal and scalar relationships. To learn all this, you should work from a larger method of some kind, for example:

My method and curriculum can be found in a host of instructional videos, media, and publications easily accessed either via [my shop](#) or through my comprehensive online school: [the Creative Strings Academy](#). The Creative Strings Academy offers a FREE one-month trial, during which you can download a wide range of free materials and access over 150 instructional videos. By signing up, you'll also have direct access to private Skype lessons with me if you choose.

The "Jazz Arpeggios for Violin, Cello, and Viola" book contains information which can all be learned and practiced WITHOUT the aid of visual music notation. That's how I, and many others, have done it. However, I created these worksheets to save you time and effort. By reading these exercises, you'll have a chance to get them under your fingers quickly, and over time you can move away from the page. I recommend you BOTH read from the page and work without the notation.

Remember when you were five years old and you were just learning how to read? When shown a word, you'd look at the first letter and think about what that letter was and what that letter sounded like. Then you'd go to the next letter and think about what that letter was and what it sounded like. Then you'd put the two letters together and think about how they sounded together. Remember how long it took to read one word? That's similar to what classical musicians experience when they begin improvising over chord progressions. Now, when you look at a phrase written in front of you it probably takes you a fraction of a second to comprehend a series of words, let alone one letter. This is the kind of fluency you want to develop with harmonic language.

Once you learn the ABCs of harmony, your mind can operate on a high level in a creative way. But first you've got to learn harmony!

For a more comprehensive view of my approach to harmony on violin, cello, and viola, consider the Jazz Violin Harmony Handbook. (<http://christianhowes.com/creative-strings-shop/literature/violin-harmony-handbook/>)

For an intensive study during one fun and music filled week every summer, check out my annual Creative Strings Workshop, where an intimate international gathering of creative string players converge, along with some of my favorite teachers and players, to jam, study, and perform all week long.
(<http://christianhowes.com/education/creative-strings-workshop/>)

To receive updates from me, including free MP3s and instructional materials, you can opt-in to my newsletter here:
<http://creativestrings.christianhowes.com/icontact-form/>

By far, the BEST value I can recommend is for you to sign up for the one-month free trial of the Creative Strings Academy here:
<http://creativestrings.christianhowes.com>

Please feel free to contact me via email if you have any questions about this book at chris@christianhowes.com

If you find the book helpful, I'd greatly appreciate your reviewing it on Amazon ([click here](#)) and/or sharing it through social media sites.

If you have trouble reading some of the charts, please try entering full screen mode on your device (if applicable).

Let me know if I can help with anything. Happy Practicing! -Chris

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7th Chord Worksheet
Dominant 7

E7

Two staves of music for the E7 chord. The first staff shows a sequence of notes: E4, F#4, G4, A4, B4, C5, B4, A4, G4, F#4, E4. The second staff shows a more complex rhythmic exercise with eighth and sixteenth notes, including accidentals for F# and C#.

F7

Two staves of music for the F7 chord. The first staff shows a sequence of notes: F4, G4, A4, Bb4, C5, B4, A4, G4, F4. The second staff shows a more complex rhythmic exercise with eighth and sixteenth notes, including accidentals for Bb and C#.

F#7

Two staves of music for the F#7 chord. The first staff shows a sequence of notes: F#4, G#4, A4, B4, C#5, B4, A4, G#4, F#4. The second staff shows a more complex rhythmic exercise with eighth and sixteenth notes, including accidentals for G# and C#.

G7

Two staves of music for the G7 chord. The first staff shows a sequence of notes: G4, A4, B4, C5, B4, A4, G4, F4, E4, D4, C4. The second staff shows a more complex rhythmic exercise with eighth and sixteenth notes.

7th Chord Worksheet
Dominant 7

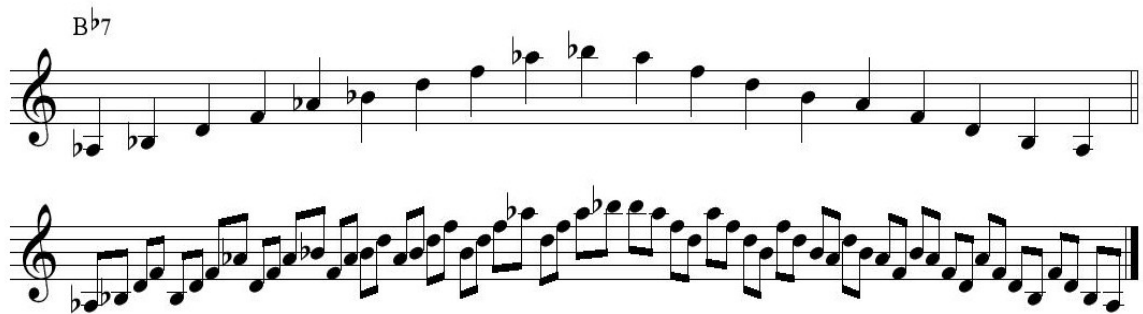
A^b7



A7



B^b7



B7



Violin

7th Chord Worksheet

Major 7

In Extended Range:

Christian Howes

Cmaj7



Musical notation for Cmaj7 in extended range, showing a sequence of notes across a wide range of the staff.

Inversions:



Musical notation for Cmaj7 inversions, showing a sequence of notes across a wide range of the staff.

D^bmaj7



Musical notation for D^bmaj7 in extended range, showing a sequence of notes across a wide range of the staff.



Musical notation for D^bmaj7 inversions, showing a sequence of notes across a wide range of the staff.

Dmaj7



Musical notation for Dmaj7 in extended range, showing a sequence of notes across a wide range of the staff.



Musical notation for Dmaj7 inversions, showing a sequence of notes across a wide range of the staff.

E^bmaj7



Musical notation for E^bmaj7 in extended range, showing a sequence of notes across a wide range of the staff.



Musical notation for E^bmaj7 inversions, showing a sequence of notes across a wide range of the staff.

E⁺maj7



Musical notation for E⁺maj7 in extended range, showing a sequence of notes across a wide range of the staff.



Musical notation for E⁺maj7 inversions, showing a sequence of notes across a wide range of the staff.

Fmaj7



Musical notation for Fmaj7 in extended range, showing a sequence of notes across a wide range of the staff.



Musical notation for Fmaj7 inversions, showing a sequence of notes across a wide range of the staff.

7th Chord Worksheet
Major 7

G^bmaj7

Two staves of music for the G^bmaj7 chord. The first staff shows a scale of notes: G^b, A^b, B^b, C, D, E^b, F^b, G^b. The second staff shows a complex arpeggiated pattern of these notes.

Gmaj7

Two staves of music for the Gmaj7 chord. The first staff shows a scale of notes: G, A, B, C, D, E, F[#], G. The second staff shows a complex arpeggiated pattern of these notes.

A^bmaj7

Two staves of music for the A^bmaj7 chord. The first staff shows a scale of notes: A^b, B^b, C, D, E^b, F^b, G^b, A^b. The second staff shows a complex arpeggiated pattern of these notes.

Amaj7

Two staves of music for the Amaj7 chord. The first staff shows a scale of notes: A, B, C, D, E, F[#], G[#], A. The second staff shows a complex arpeggiated pattern of these notes.

B^bmaj7

Two staves of music for the B^bmaj7 chord. The first staff shows a scale of notes: B^b, C, D, E, F, G^b, A^b, B^b. The second staff shows a complex arpeggiated pattern of these notes.

Bmaj7

Two staves of music for the Bmaj7 chord. The first staff shows a scale of notes: B, C, D, E, F[#], G[#], A[#], B. The second staff shows a complex arpeggiated pattern of these notes.

Violin

7th Chord Worksheet

Minor 7

In Extended Range:

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C^{min}7



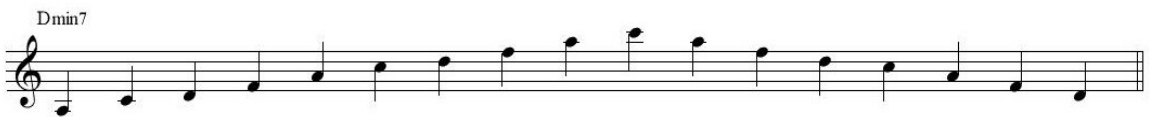
Inversions:



C^{#min}7



D^{min}7



D^{#min}7



E^{min}7



F^{min}7



Violin

7th Chord Worksheet

Minor Major 7

In Extended Range:

Christian Howes

Cmin(maj7)



Inversions:



C#min(maj7)



Dmin(maj7)



Ebmin(maj7)



Emin(maj7)



Fmin(maj7)



7th Chord Worksheet
Major 7

G^bmaj7

Musical notation for G^bmaj7 chord exercise. The first staff shows the chord tones: G^b (B-flat), B^b (C), D^b (E-flat), and E^b (F). The second staff shows a descending eighth-note scale starting from G^b and ending on D^b.

Gmaj7

Musical notation for Gmaj7 chord exercise. The first staff shows the chord tones: G, A, B, and D. The second staff shows a descending eighth-note scale starting from G and ending on D.

A^bmaj7

Musical notation for A^bmaj7 chord exercise. The first staff shows the chord tones: A^b (G), B^b (F), C^b (B-flat), and D^b (C). The second staff shows a descending eighth-note scale starting from A^b and ending on C.

Amaj7

Musical notation for Amaj7 chord exercise. The first staff shows the chord tones: A, B, C, and E. The second staff shows a descending eighth-note scale starting from A and ending on E.

B^bmaj7

Musical notation for B^bmaj7 chord exercise. The first staff shows the chord tones: B^b (A), C^b (B-flat), D^b (C), and E^b (D). The second staff shows a descending eighth-note scale starting from B^b and ending on D.

Bmaj7

Musical notation for Bmaj7 chord exercise. The first staff shows the chord tones: B, C, D, and F. The second staff shows a descending eighth-note scale starting from B and ending on F.

Violin

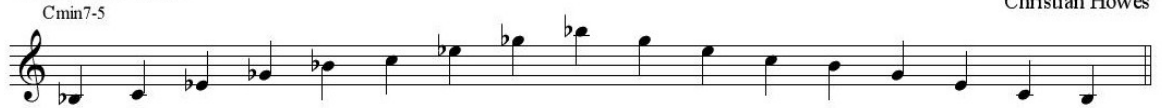
7th Chord Worksheet

Minor 7 -5

In Extended Range:

Christian Howes

C[♯]min7-5



Musical notation for C[♯]min7-5 in extended range, showing a sequence of notes on a single staff.

Inversions:



Musical notation for C[♯]min7-5 inversions, showing a sequence of notes on a single staff.

D[♯]min7-5



Musical notation for D[♯]min7-5 in extended range, showing a sequence of notes on a single staff.



Musical notation for D[♯]min7-5 inversions, showing a sequence of notes on a single staff.

D[♭]min7-5



Musical notation for D[♭]min7-5 in extended range, showing a sequence of notes on a single staff.



Musical notation for D[♭]min7-5 inversions, showing a sequence of notes on a single staff.

D[♯]min7-5

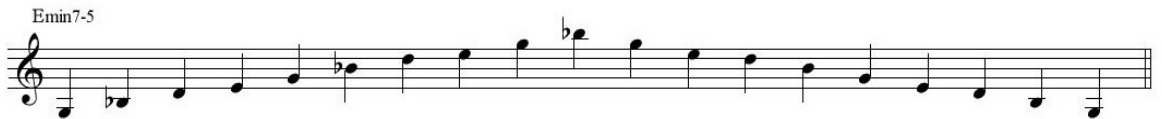


Musical notation for D[♯]min7-5 in extended range, showing a sequence of notes on a single staff.



Musical notation for D[♯]min7-5 inversions, showing a sequence of notes on a single staff.

E[♭]min7-5



Musical notation for E[♭]min7-5 in extended range, showing a sequence of notes on a single staff.



Musical notation for E[♭]min7-5 inversions, showing a sequence of notes on a single staff.

F[♭]min7-5



Musical notation for F[♭]min7-5 in extended range, showing a sequence of notes on a single staff.



Musical notation for F[♭]min7-5 inversions, showing a sequence of notes on a single staff.

7th Chord Worksheet
Minor 7 -5

F#min7-5

Two staves of music for the F#min7-5 chord. The first staff shows the chord tones: F#2, A2, B2, C#3, D3, E3, F#3. The second staff shows a descending eighth-note scale: F#4, E4, D4, C#4, B4, A4, G4, F#4.

Gmin7-5

Two staves of music for the Gmin7-5 chord. The first staff shows the chord tones: G2, Bb2, C3, D3, Eb3, F3, G3. The second staff shows a descending eighth-note scale: G4, F#4, E4, D4, C#4, B4, Ab4, G4.

G#min7-5

Two staves of music for the G#min7-5 chord. The first staff shows the chord tones: G#2, B2, C#3, D#3, E3, F#3, G#3. The second staff shows a descending eighth-note scale: G#4, F#4, E4, D4, C#4, B4, A4, G#4.

Amin7-5

Two staves of music for the Amin7-5 chord. The first staff shows the chord tones: A2, C3, D3, Eb3, F3, G3, A3. The second staff shows a descending eighth-note scale: A4, G4, F#4, E4, D4, C#4, B4, A4.

A#min7-5

Two staves of music for the A#min7-5 chord. The first staff shows the chord tones: A#2, C#3, D#3, E3, F#3, G#3, A#3. The second staff shows a descending eighth-note scale: A#4, G#4, F#4, E4, D4, C#4, B4, A#4.

Bmin7-5

Two staves of music for the Bmin7-5 chord. The first staff shows the chord tones: B2, D3, E3, F3, G3, A3, B3. The second staff shows a descending eighth-note scale: B4, A4, G4, F#4, E4, D4, C#4, B4.

Violin

7th Chord Worksheet

Fully Diminished

In Extended Range:

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C dim7



Musical notation for C dim7 in extended range, showing the chord structure across a wide range of the violin.

Inversions:



Musical notation for C dim7 inversions, showing the chord structure across a wide range of the violin.

C#dim7



Musical notation for C#dim7 in extended range, showing the chord structure across a wide range of the violin.



Musical notation for C#dim7 inversions, showing the chord structure across a wide range of the violin.

D dim7

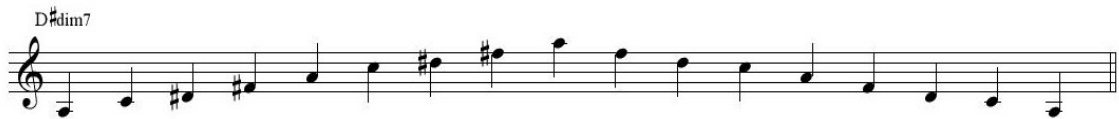


Musical notation for D dim7 in extended range, showing the chord structure across a wide range of the violin.



Musical notation for D dim7 inversions, showing the chord structure across a wide range of the violin.

D#dim7



Musical notation for D#dim7 in extended range, showing the chord structure across a wide range of the violin.



Musical notation for D#dim7 inversions, showing the chord structure across a wide range of the violin.

E dim7

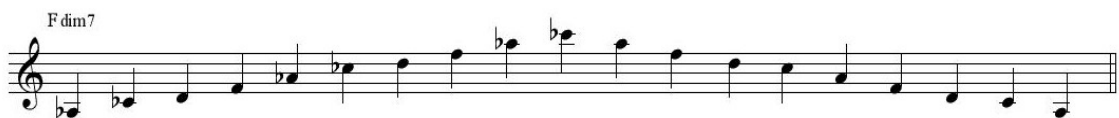


Musical notation for E dim7 in extended range, showing the chord structure across a wide range of the violin.



Musical notation for E dim7 inversions, showing the chord structure across a wide range of the violin.

F dim7



Musical notation for F dim7 in extended range, showing the chord structure across a wide range of the violin.



Musical notation for F dim7 inversions, showing the chord structure across a wide range of the violin.

7th Chord Worksheet
Fully Diminished

F#dim7

The first staff of music for the F#dim7 exercise shows a sequence of notes: C4, C4, B3, B3, A3, A3, G3, G3, F#3, F#3, E3, E3, D3, D3, C3. This sequence represents the notes of the F#dim7 chord (F#, C, G, D) repeated in a descending pattern.

The second staff of music for the F#dim7 exercise shows a descending eighth-note scale starting from C4 and ending at C3, with a final quarter rest.

Gdim7

The first staff of music for the Gdim7 exercise shows a sequence of notes: C4, C4, B3, B3, A3, A3, G3, G3, F#3, F#3, E3, E3, D3, D3, C3. This sequence represents the notes of the Gdim7 chord (G, C, F, D) repeated in a descending pattern.

The second staff of music for the Gdim7 exercise shows a descending eighth-note scale starting from C4 and ending at C3, with a final quarter rest.

G#dim7

The first staff of music for the G#dim7 exercise shows a sequence of notes: C4, C4, B3, B3, A3, A3, G#3, G#3, F#3, F#3, E3, E3, D3, D3, C3. This sequence represents the notes of the G#dim7 chord (G#, C, F#, D) repeated in a descending pattern.

The second staff of music for the G#dim7 exercise shows a descending eighth-note scale starting from C4 and ending at C3, with a final quarter rest.

A dim7

The first staff of music for the A dim7 exercise shows a sequence of notes: C4, C4, B3, B3, A3, A3, G3, G3, F#3, F#3, E3, E3, D3, D3, C3. This sequence represents the notes of the A dim7 chord (A, C, G, D) repeated in a descending pattern.

The second staff of music for the A dim7 exercise shows a descending eighth-note scale starting from C4 and ending at C3, with a final quarter rest.

A#dim7

The first staff of music for the A#dim7 exercise shows a sequence of notes: C4, C4, B3, B3, A3, A3, G#3, G#3, F#3, F#3, E3, E3, D3, D3, C3. This sequence represents the notes of the A#dim7 chord (A#, C, G#, D) repeated in a descending pattern.

The second staff of music for the A#dim7 exercise shows a descending eighth-note scale starting from C4 and ending at C3, with a final quarter rest.

Bdim7

The first staff of music for the Bdim7 exercise shows a sequence of notes: C4, C4, B3, B3, A3, A3, G3, G3, F#3, F#3, E3, E3, D3, D3, C3. This sequence represents the notes of the Bdim7 chord (B, C, F, D) repeated in a descending pattern.

The second staff of music for the Bdim7 exercise shows a descending eighth-note scale starting from C4 and ending at C3, with a final quarter rest.

Violin

7th Chord Worksheet

Augmented Major 7

In Extended Range:

Cmaj7(#5)

Christian Howes

Musical notation for Cmaj7(#5) in extended range, showing a sequence of notes on a single staff.

Inversions:

Musical notation for Cmaj7(#5) inversions, showing a sequence of notes on a single staff.

D^bmaj7(#5)

Musical notation for D^bmaj7(#5) in extended range, showing a sequence of notes on a single staff.

Musical notation for D^bmaj7(#5) inversions, showing a sequence of notes on a single staff.

Dmaj7(#5)

Musical notation for Dmaj7(#5) in extended range, showing a sequence of notes on a single staff.

Musical notation for Dmaj7(#5) inversions, showing a sequence of notes on a single staff.

E^bmaj7(#5)

Musical notation for E^bmaj7(#5) in extended range, showing a sequence of notes on a single staff.

Musical notation for E^bmaj7(#5) inversions, showing a sequence of notes on a single staff.

E^mmaj7(#5)

Musical notation for E^mmaj7(#5) in extended range, showing a sequence of notes on a single staff.

Musical notation for E^mmaj7(#5) inversions, showing a sequence of notes on a single staff.

Fmaj7(#5)

Musical notation for Fmaj7(#5) in extended range, showing a sequence of notes on a single staff.

Musical notation for Fmaj7(#5) inversions, showing a sequence of notes on a single staff.

7th Chord Worksheet
Augmented Major 7

G^bmaj7(#5)

Musical notation for G^bmaj7(#5) in G-flat major. The first staff shows the chord tones: G^b (B-flat), B^b (C-flat), D^b (E-flat), and E^b (F-flat). The second staff shows a chromatic scale starting from G^b and moving up to G^b an octave higher.

Gmaj7(#5)

Musical notation for Gmaj7(#5) in G major. The first staff shows the chord tones: G, A, B, and C#. The second staff shows a chromatic scale starting from G and moving up to G an octave higher.

A^bmaj7(#5)

Musical notation for A^bmaj7(#5) in A-flat major. The first staff shows the chord tones: A^b (B-flat), B^b (C-flat), C^b (D-flat), and D^b (E-flat). The second staff shows a chromatic scale starting from A^b and moving up to A^b an octave higher.

Amaj7(#5)

Musical notation for Amaj7(#5) in A major. The first staff shows the chord tones: A, B, C, and D#. The second staff shows a chromatic scale starting from A and moving up to A an octave higher.

B^bmaj7(#5)

Musical notation for B^bmaj7(#5) in B-flat major. The first staff shows the chord tones: B^b (C-flat), C^b (D-flat), D^b (E-flat), and E^b (F-flat). The second staff shows a chromatic scale starting from B^b and moving up to B^b an octave higher.

Bmaj7(#5)

Musical notation for Bmaj7(#5) in B major. The first staff shows the chord tones: B, C, D, and E#. The second staff shows a chromatic scale starting from B and moving up to B an octave higher.

Arguably one of Christian Howes' most popular resources, the 70-page **Violin Harmony Handbook** is packed with practical theory, practice exercises, conceptual, intuitive, and analytical tools as well as chord glossaries, and even solo violin transcriptions and charts. There is no guide more useful for anyone playing the jazz violin, and compliments these worksheets very well.

You'll develop:

- Ear training skills to begin hearing the notes you want to play
- Techniques to make the most out of your practice sessions
- Harmonic proficiency to play in all keys

The Violin Harmony Handbook contains:

- 70 pages full of information and exercises that benefit anyone from beginners to the most advanced violin players
- Charts to make you comfortable to play in all twelve keys
- Secrets of voice leading between chord changes

The Violin Harmony Handbook is the perfect addition to this worksheet and will expand your jazz vocabulary and proficiency. Get your copy at:

<http://christianhowes.com/creative-strings-shop/literature/violin-harmony-handbook/>

Violin

7th Chord Worksheet

Augmented Dominant 7

In Extended Range:
C^{aug7}

Christian Howes



Inversions:



D^baug⁷



D^{aug7}



E^baug⁷



E^{aug7}



F^{aug7}



7th Chord Worksheet
Augmented Dominant 7

G^baug7

Gaug7

A^baug7

Aaug7

B^baug7

Baug7

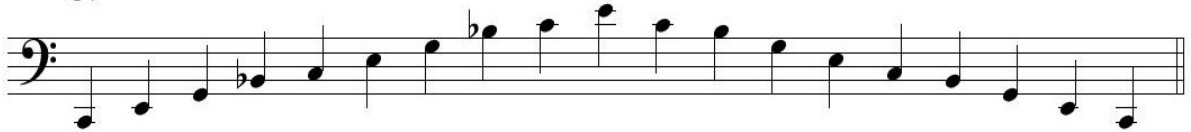
Cello

7th Chord Worksheet

Dominant 7

In Extended Range:
C7

Christian Howes



Inversions:



D^b7



D7



E^b7



7th Chord Worksheet
Dominant 7

E7

Two staves of music for the E7 chord. The top staff shows a sequence of notes: C2, C3, D3, E3, F3, G3, A3, B3, C4, D4, E4, F4, G4, A4, B4, C5. The bottom staff shows a complex rhythmic exercise with eighth and sixteenth notes, including accidentals like sharps and naturals.

F7

Two staves of music for the F7 chord. The top staff shows a sequence of notes: C2, C3, D3, E3, F3, G3, A3, B3, C4, D4, E4, F4, G4, A4, B4, C5. The bottom staff shows a complex rhythmic exercise with eighth and sixteenth notes, including accidentals like flats and naturals.

F#7

Two staves of music for the F#7 chord. The top staff shows a sequence of notes: C2, C3, D3, E3, F#3, G3, A3, B3, C4, D4, E4, F#4, G4, A4, B4, C5. The bottom staff shows a complex rhythmic exercise with eighth and sixteenth notes, including accidentals like sharps and naturals.

G

Two staves of music for the G chord. The top staff shows a sequence of notes: C2, C3, D3, E3, F3, G3, A3, B3, C4, D4, E4, F4, G4, A4, B4, C5. The bottom staff shows a complex rhythmic exercise with eighth and sixteenth notes, including accidentals like naturals.

7th Chord Worksheet
Dominant 7

A^b

A musical staff in bass clef showing the A-flat major scale. The notes are A-flat, B-flat, C, D, E-flat, F, G, A-flat, B-flat, C, D, E-flat, F, G, A-flat, B-flat, C. The key signature has two flats.

A musical staff in bass clef showing the A-flat major scale arpeggiated. The notes are A-flat, B-flat, C, D, E-flat, F, G, A-flat, B-flat, C, D, E-flat, F, G, A-flat, B-flat, C.

A⁷

A musical staff in bass clef showing the A7 major scale. The notes are A, B, C, D, E, F-sharp, G, A, B, C, D, E, F-sharp, G, A, B, C. The key signature has one sharp.

A musical staff in bass clef showing the A7 major scale arpeggiated. The notes are A, B, C, D, E, F-sharp, G, A, B, C, D, E, F-sharp, G, A, B, C.

B^b7

A musical staff in bass clef showing the B-flat 7 major scale. The notes are B-flat, C, D, E-flat, F, G, A, B-flat, C, D, E-flat, F, G, A, B-flat, C, D. The key signature has two flats.

A musical staff in bass clef showing the B-flat 7 major scale arpeggiated. The notes are B-flat, C, D, E-flat, F, G, A, B-flat, C, D, E-flat, F, G, A, B-flat, C, D.

B⁷

A musical staff in bass clef showing the B7 major scale. The notes are B, C, D, E, F-sharp, G-sharp, A, B, C, D, E, F-sharp, G-sharp, A, B, C, D. The key signature has two sharps.

A musical staff in bass clef showing the B7 major scale arpeggiated. The notes are B, C, D, E, F-sharp, G-sharp, A, B, C, D, E, F-sharp, G-sharp, A, B, C, D.

Cello

7th Chord Worksheet

Major 7

Christian Howes

In Extended Range:
C maj7

First staff of musical notation for C major 7th chord in extended range, showing the notes C, E, G, B, and C in the bass clef.

Inversions:

Second staff of musical notation for C major 7th chord inversions, showing a sequence of eighth-note chords in the bass clef.

D^b maj7

Third staff of musical notation for D flat major 7th chord in extended range, showing the notes D, F, A, B, and D in the bass clef.

Fourth staff of musical notation for D flat major 7th chord inversions, showing a sequence of eighth-note chords in the bass clef.

D maj7

Fifth staff of musical notation for D major 7th chord in extended range, showing the notes D, F#, A, B, and D in the bass clef.

Sixth staff of musical notation for D major 7th chord inversions, showing a sequence of eighth-note chords in the bass clef.

E^b maj7

Seventh staff of musical notation for E flat major 7th chord in extended range, showing the notes E, G, B, D, and E in the bass clef.

Eighth staff of musical notation for E flat major 7th chord inversions, showing a sequence of eighth-note chords in the bass clef.

7th Chord Worksheet
Major 7

E maj7

Two staves of music for the E major 7th chord exercise. The top staff shows a sequence of notes: E2, F#2, G#2, A2, B2, C#3, D3, E3, F#3, G#3, A3, B3, C#4, D4, E4, F#4, G#4, A4, B4, C#5, D5, E5, F#5, G#5, A5, B5, C#6, D6, E6, F#6, G#6, A6, B6, C#7, D7, E7, F#7, G#7, A7, B7, C#8, D8, E8, F#8, G#8, A8, B8, C#9, D9, E9, F#9, G#9, A9, B9, C#10, D10, E10, F#10, G#10, A10, B10, C#11, D11, E11, F#11, G#11, A11, B11, C#12, D12, E12, F#12, G#12, A12, B12, C#13, D13, E13, F#13, G#13, A13, B13, C#14, D14, E14, F#14, G#14, A14, B14, C#15, D15, E15, F#15, G#15, A15, B15, C#16, D16, E16, F#16, G#16, A16, B16, C#17, D17, E17, F#17, G#17, A17, B17, C#18, D18, E18, F#18, G#18, A18, B18, C#19, D19, E19, F#19, G#19, A19, B19, C#20, D20, E20, F#20, G#20, A20, B20, C#21, D21, E21, F#21, G#21, A21, B21, C#22, D22, E22, F#22, G#22, A22, B22, C#23, D23, E23, F#23, G#23, A23, B23, C#24, D24, E24, F#24, G#24, A24, B24, C#25, D25, E25, F#25, G#25, A25, B25, C#26, D26, E26, F#26, G#26, A26, B26, C#27, D27, E27, F#27, G#27, A27, B27, C#28, D28, E28, F#28, G#28, A28, B28, C#29, D29, E29, F#29, G#29, A29, B29, C#30, D30, E30, F#30, G#30, A30, B30, C#31, D31, E31, F#31, G#31, A31, B31, C#32, D32, E32, F#32, G#32, A32, B32, C#33, D33, E33, F#33, G#33, A33, B33, C#34, D34, E34, F#34, G#34, A34, B34, C#35, D35, E35, F#35, G#35, A35, B35, C#36, D36, E36, F#36, G#36, A36, B36, C#37, D37, E37, F#37, G#37, A37, B37, C#38, D38, E38, F#38, G#38, A38, B38, C#39, D39, E39, F#39, G#39, A39, B39, C#40, D40, E40, F#40, G#40, A40, B40, C#41, D41, E41, F#41, G#41, A41, B41, C#42, D42, E42, F#42, G#42, A42, B42, C#43, D43, E43, F#43, G#43, A43, B43, C#44, D44, E44, F#44, G#44, A44, B44, C#45, D45, E45, F#45, G#45, A45, B45, C#46, D46, E46, F#46, G#46, A46, B46, C#47, D47, E47, F#47, G#47, A47, B47, C#48, D48, E48, F#48, G#48, A48, B48, C#49, D49, E49, F#49, G#49, A49, B49, C#50, D50, E50, F#50, G#50, A50, B50, C#51, D51, E51, F#51, G#51, A51, B51, C#52, D52, E52, F#52, G#52, A52, B52, C#53, D53, E53, F#53, G#53, A53, B53, C#54, D54, E54, F#54, G#54, A54, B54, C#55, 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A305, B305, C#306, D306, E306, F#306, G#306, A306, B306, C#307, D307, E307, F#307, G#307, A307, B307, C#308, D308, E308, F#308, G#308, A308, B308, C#309, D309, E309, F#309, G#309, A309, B309, C#310, D310, E310, F#310, G#310, A310, B310, C#311, D311, E311, F#311, G#311, A311, B311, C#312, D312, E312, F#312, G#312, A312, B312, C#313, D313, E313, F#313, G#313, A313, B313, C#314, D314, E314, F#314, G#314, A314, B314, C#315, D315, E315, F#315, G#315, A315, B315, C#316, D316, E316, F#316, G#316, A316, B316, C#317, D317, E317, F#317, G#317, A317, B317, C#318, D318, E318, F#318, G#318, A318, B318, C#319, D319, E319, F#319, G#319, A319, B319, C#320, D320, E320, F#320, G#320, A320, B320, C#321, D321, E321, F#321, G#321, A321, B321, C#322, D322, E322, F#322, G#322, A322, B322, C#323, D323, E323, F#323, G#323, A323, B323, C#324, D324, E324, F#324, G#324, A324, B324, C#325, D325, E325, F#325, G#325, A325, B325, C#326, D326, E326, F#326, G#326, A326, B326, C#327, D327, E327, F#327, G#327, A327, B327, C#328, D328, E328, F#328, G#328, A328, B328, C#329, D329, E329, F#329, G#329, A329, B329, C#330, D330, E330, F#330, G#330, A330, B330, C#331, D331, E331, F#331, G#331, A331, B331, C#332, D332, E332, F#332, G#332, A332, B332, C#333, D333, E333, F#333, G#333, A333, B333, C#334, D334, E334, F#334, G#334, A334, B334, C#335, D335, E335, F#335, G#335, A335, B335, C#336, D336, E336, F#336, G#336, A336, B336, C#337, D337, E337, F#337, G#337, A337, B337, C#338, D338, E338, F#338, G#338, A338, B338, C#339, D339, E339, F#339, G#339, A339, B339, C#340, D340, E340, F#340, G#340, A340, B340, C#341, D341, E341, F#341, G#341, A341, B341, C#342, D342, E342, F#342, G#

7th Chord Worksheet
Major 7

A^bmaj7

Two staves of musical notation for the A^bmaj7 chord. The top staff shows a sequence of notes: C₂, B₁, C₂, D₂, E₂, F₂, G₂, A₂, B₂, C₃, D₃, E₃, F₃, G₃, A₃, B₃, C₄. The bottom staff shows a complex arpeggiated pattern of these notes.

A maj7

Two staves of musical notation for the A major 7th chord. The top staff shows a sequence of notes: C₂, C₂, D₂, E₂, F₂, G₂, A₂, B₂, C₃, D₃, E₃, F₃, G₃, A₃, B₃, C₄. The bottom staff shows a complex arpeggiated pattern of these notes.

B^bmaj7

Two staves of musical notation for the B^bmaj7 chord. The top staff shows a sequence of notes: C₂, D₂, E₂, F₂, G₂, A₂, B₂, C₃, D₃, E₃, F₃, G₃, A₃, B₃, C₄. The bottom staff shows a complex arpeggiated pattern of these notes.

B maj7

Two staves of musical notation for the B major 7th chord. The top staff shows a sequence of notes: C₂, C₂, D₂, E₂, F₂, G₂, A₂, B₂, C₃, D₃, E₃, F₃, G₃, A₃, B₃, C₄. The bottom staff shows a complex arpeggiated pattern of these notes.

Cello

7th Chord Worksheet

Minor 7

Christian Howes

In Extended Range:

C^{min}7

Musical notation for C^{min}7 in extended range, showing a scale of notes from C2 to C4.

Inversions:

Musical notation for C^{min}7 inversions, showing a scale of notes from C2 to C4 in various positions.

C[#]min7

Musical notation for C[#]min7 in extended range, showing a scale of notes from C[#]2 to C[#]4.

Musical notation for C[#]min7 inversions, showing a scale of notes from C[#]2 to C[#]4 in various positions.

D^{min}7

Musical notation for D^{min}7 in extended range, showing a scale of notes from D2 to D4.

Musical notation for D^{min}7 inversions, showing a scale of notes from D2 to D4 in various positions.

E^bmin7

Musical notation for E^bmin7 in extended range, showing a scale of notes from E^b2 to E^b4.

Musical notation for E^bmin7 inversions, showing a scale of notes from E^b2 to E^b4 in various positions.

7th Chord Worksheet
Minor 7

E min7

Two staves of music for the E minor 7th chord. The top staff shows a scale of eighth notes: E2, F2, G2, A2, B2, C3, D3, E3, F3, G3, A3, B3, C4, D4, E4. The bottom staff shows a more complex exercise with sixteenth notes, including chromatic lines and arpeggiated patterns.

F min7

Two staves of music for the F minor 7th chord. The top staff shows a scale of eighth notes: F2, G2, A2, Bb2, C3, D3, Eb3, F3, G3, Ab3, Bb3, C4, D4, Eb4, F4. The bottom staff shows a more complex exercise with sixteenth notes, including chromatic lines and arpeggiated patterns.

F# min7

Two staves of music for the F# minor 7th chord. The top staff shows a scale of eighth notes: F#2, G#2, A2, B2, C#3, D3, E3, F#3, G#3, A#3, B3, C#4, D#4, E#4, F#4. The bottom staff shows a more complex exercise with sixteenth notes, including chromatic lines and arpeggiated patterns.

G min7

Two staves of music for the G minor 7th chord. The top staff shows a scale of eighth notes: G2, A2, B2, C3, D3, Eb3, F3, G3, Ab3, Bb3, C4, D4, Eb4, F4, G4. The bottom staff shows a more complex exercise with sixteenth notes, including chromatic lines and arpeggiated patterns.

7th Chord Worksheet
Minor 7

G#min7

Two staves of musical notation for the G#min7 chord exercise. The top staff shows a sequence of notes: G#2, A2, B2, C#3, D3, E3, F#3, G#3, A3, B3, C#4, D4, E4, F#4, G#4, A4, B4, C#5, D5, E5, F#5, G#5, A5, B5, C#6, D6, E6, F#6, G#6, A6, B6, C#7, D7, E7, F#7, G#7, A7, B7, C#8, D8, E8, F#8, G#8, A8, B8, C#9, D9, E9, F#9, G#9, A9, B9, C#10, D10, E10, F#10, G#10, A10, B10, C#11, D11, E11, F#11, G#11, A11, B11, C#12, D12, E12, F#12, G#12, A12, B12, C#13, D13, E13, F#13, G#13, A13, B13, C#14, D14, E14, F#14, G#14, A14, B14, C#15, D15, E15, F#15, G#15, A15, B15, C#16, D16, E16, F#16, G#16, A16, B16, C#17, D17, E17, F#17, G#17, A17, B17, C#18, D18, E18, F#18, G#18, A18, B18, C#19, D19, E19, F#19, G#19, A19, B19, C#20, D20, E20, F#20, G#20, A20, B20, C#21, D21, E21, F#21, G#21, A21, B21, C#22, D22, E22, F#22, G#22, A22, B22, C#23, D23, E23, F#23, G#23, A23, B23, C#24, D24, E24, F#24, G#24, A24, B24, C#25, D25, E25, F#25, G#25, A25, B25, C#26, D26, E26, F#26, G#26, A26, B26, C#27, D27, E27, F#27, G#27, A27, B27, C#28, D28, E28, F#28, G#28, A28, B28, C#29, D29, E29, F#29, G#29, A29, B29, C#30, D30, E30, F#30, G#30, A30, B30, C#31, D31, E31, F#31, G#31, A31, B31, C#32, D32, E32, F#32, G#32, A32, B32, C#33, D33, E33, F#33, G#33, A33, B33, C#34, D34, E34, F#34, G#34, A34, B34, C#35, D35, E35, F#35, G#35, A35, B35, C#36, D36, E36, F#36, G#36, A36, B36, C#37, D37, E37, F#37, G#37, A37, B37, C#38, D38, E38, F#38, G#38, A38, B38, C#39, D39, E39, F#39, G#39, A39, B39, C#40, D40, E40, F#40, G#40, A40, B40, C#41, D41, E41, F#41, G#41, A41, B41, C#42, D42, E42, F#42, G#42, A42, B42, C#43, D43, E43, F#43, G#43, A43, B43, C#44, D44, E44, F#44, G#44, A44, B44, C#45, D45, E45, F#45, G#45, A45, B45, C#46, D46, E46, F#46, G#46, A46, B46, C#47, D47, E47, F#47, G#47, A47, B47, C#48, D48, E48, F#48, G#48, A48, B48, C#49, D49, E49, F#49, G#49, A49, B49, C#50, D50, E50, F#50, G#50, A50, B50, C#51, D51, E51, F#51, G#51, A51, B51, C#52, D52, E52, F#52, G#52, A52, B52, C#53, D53, E53, F#53, G#53, A53, B53, C#54, D54, E54, F#54, G#54, A54, B54, C#55, D55, E55, F#55, G#55, A55, B55, C#56, D56, E56, F#56, G#56, A56, B56, C#57, D57, E57, F#57, G#57, A57, B57, C#58, D58, E58, F#58, G#58, A58, B58, C#59, D59, E59, F#59, G#59, A59, B59, C#60, D60, E60, F#60, G#60, A60, B60, C#61, D61, E61, F#61, G#61, A61, B61, C#62, D62, E62, F#62, G#62, A62, B62, C#63, D63, E63, F#63, G#63, A63, B63, C#64, D64, E64, F#64, G#64, A64, B64, C#65, D65, E65, F#65, G#65, A65, B65, C#66, D66, E66, F#66, G#66, A66, B66, C#67, D67, E67, F#67, G#67, A67, B67, C#68, D68, E68, F#68, G#68, A68, B68, C#69, D69, E69, F#69, G#69, A69, B69, C#70, D70, E70, F#70, G#70, A70, B70, C#71, D71, E71, F#71, G#71, A71, B71, C#72, D72, E72, F#72, G#72, A72, B72, C#73, D73, E73, F#73, G#73, A73, B73, C#74, D74, E74, F#74, G#74, A74, B74, C#75, D75, E75, F#75, G#75, A75, B75, C#76, D76, E76, F#76, G#76, A76, B76, C#77, D77, E77, F#77, G#77, A77, B77, C#78, D78, E78, F#78, G#78, A78, B78, C#79, D79, E79, F#79, G#79, A79, B79, C#80, D80, E80, F#80, G#80, A80, B80, C#81, D81, E81, F#81, G#81, 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B63, C#107, D107, E107, F#107, G#107, A107, B62, C#108, D108, E108, F#108, G#108, A108, B61, C#109, D109, E109, F#109, G#109, A109, B60, C#110, D110, E110, F#110, G#110, A110, B59, C#111, D111, E111, F#111, G#111, A111, B58, C#112, D112, E112, F#112, G#112, A112, B57, C#113, D113, E113, F#113, G#113, A113, B56, C#114, D114, E114, F#114, G#114, A114, B55, C#115, D115, E115, F#115, G#115, A115, B54, C#116, D116, E116, F#116, G#116, A116, B53, C#117, D117, E117, F#117, G#117, A117, B52, C#118, D118, E118, F#118, G#118, A118, B51, C#119, D119, E119, F#119, G#119, A119, B50, C#120, D120, E120, F#120, G#120, A120, B49, C#121, D121, E121, F#121, G#121, A121, B48, C#122, D122, E122, F#122, G#122, A122, B47, C#123, D123, E123, F#123, G#123, A123, B46, C#124, D124, E124, F#124, G#124, A124, B45, C#125, D125, E125, F#125, G#125, A125, B44, C#126, D126, E126, F#126, G#126, A126, B43, C#127, D127, E127, F#127, G#127, A127, B42, C#128, D128, E128, F#128, G#128, A128, B41, C#129, D129, E129, F#129, G#129, A129, B40, C#130, D130, E130, F#130, G#130, A130, B39, C#131, D131, E131, F#131, G#131, A131, B38, C#132, D132, E132, F#132, G#132, A132, B37, C#133, D133, E133, F#133, G#133, A133, B36, C#134, D134, E134, F#134, G#134, A134, B35, C#135, D135, E135, F#135, G#135, A135, B34, C#136, D136, E136, F#136, G#136, A136, B33, C#137, D137, E137, F#137, G#137, A137, B32, C#138, D138, E138, F#138, G#138, A138, B31, C#139, D139, E139, F#139, G#139, A139, B30, C#140, D140, E140, F#140, G#140, A140, B29, C#141, D141, E141, F#141, G#141, A141, B28, C#142, D142, E142, F#142, G#142, A142, B27, C#143, D143, E143, F#143, G#143, A143, B26, C#144, D144, E144, F#144, G#144, A144, B25, C#145, D145, E145, F#145, G#145, A145, B24, C#146, D146, E146, F#146, G#146, A146, B23, C#147, D147, E147, F#147, G#147, A147, B22, C#148, D148, E148, F#148, G#148, A148, B21, C#149, D149, E149, F#149, G#149, A149, B20, C#150, D150, E150, F#150, G#150, A150, B19, C#151, D151, E151, F#151, G#151, A151, B18, C#152, D152, E152, F#152, G#152, A152, B17, C#153, D153, E153, F#153, G#153, A153, B16, C#154, D154, E154, F#154, G#154, A154, B15, C#155, D155, E155, F#155, G#155, A155, B14, C#156, D156, E156, F#156, G#156, A156, B13, C#157, D157, E157, F#157, G#157, A157, B12, C#158, D158, E158, F#158, G#158, A158, B11, C#159, D159, E159, F#159, G#159, A159, B10, C#160, D160, E160, F#160, G#160, A160, B9, C#161, D161, E161, F#161, G#161, A161, B8, C#162, D162, E162, F#162, G#162, A162, B7, C#163, D163, E163, F#163, G#163, A163, B6, C#164, D164, E164, F#164, G#164, A164, B5, C#165, D165, E165, F#165, G#165, A165, B4, C#166, D166, E166, F#166, G#166, A166, B3, C#167, D167, E167, F#167, G#167, A167, B2, C#168, D168, E168, F#168, G#168, A168, B1, C#169, D169, E169, F#169, G#169, A169, B0, C#170, D170, E170, F#170, G#170, A170, B-1, C#171, D171, E171, F#171, G#171, A171, B-2, C#172, D172, E172, F#172, G#172, A172, B-3, C#173, D173, E173, F#173, G#173, A173, B-4, C#174, D174, E174, F#174, G#174, A174, B-5, C#175, D175, E175, F#175, G#175, A175, B-6, C#176, D176, E176, F#176, G#176, A176, B-7, C#177, D177, E177, F#177, G#177, A177, B-8, C#178, D178, E178, F#178, G#178, A178, B-9, C#179, D179, E179, F#179, G#179, A179, B-10, C#180, D180, E180, F#180, G#180, A180, B-11, C#181, D181, E181, F#181, G#181, A181, B-12, C#182, D182, E182, F#182, G#182, A182, B-13, C#183, D183, E183, F#183, G#183, A183, B-14, C#184, D184, E184, F#184, G#184, A184, B-15, C#185, D185, E185, F#185, G#185, A185, B-16, C#186, D186, E186, F#186, G#186, A186, B-17, C#187, D187, E187, F#187, G#187, A187, B-18, C#188, D188, E188, F#188, G#188, A188, B-19, C#189, D189, E189, F#189, G#189, A189, B-20, C#190, D190, E190, F#190, G#190, A190, B-21, C#191, D191, E191, F#191, G#191, A191, B-22, C#192, D192, E192, F#192, G#192, A192, B-23, C#193, D193, E193, F#193, G#193, A193, B-24, C#194, D194, E194, F#194, G#194, A194, B-25, C#195, D195, E195, F#195, G#195, A195, B-26, C#196, D196, E196, F#196, G#196, A196, B-27, C#197, D197, E197, F#197, G#197, A197, B-28, C#198, D198, E198, F#198, G#198, A198, B-29, C#199, D199, E199, F#199, G#199, A199, B-30, C#200, D200, E200, F#200, G#200, A200, B-31, C#201, D201, E201, F#201, G#201, A201, B-32, C#202, D202, E202, F#202, G#202, A202, B-33, C#203, D203, E203, F#203, G#203, A203, B-34, C#204, D204, E204, F#204, G#204, A204, B-35, C#205, D205, E205, F#205, G#205, A205, B-36, C#206, D206, E206, F#206, G#206, A206, B-37, C#207, D207, E207, F#207, G#207, A207, B-38, C#208, D208, E208, F#208, G#208, A208, B-39, C#209, D209, E209, F#209, G#209, A209, B-40, C#210, D210, E210, F#210, G#210, A210, B-41, C#211, D211, E211, F#211, G#211, A211, B-42, C#212, D212, E212, F#212, G#212, A212, B-43, C#213, D213, E213, F#213, G#213, A213, B-44, C#214, D214, E214, F#214, G#214, A214, B-45, C#215, D215, E215, F#215, G#215, A215, B-46, C#216, D216, E216, F#216, G#216, A216, B-47, C#217, D217, E217, F#217, G#217, A217, B-48, C#218, D218, E218, F#218, G#218, A218, B-49, C#219, D219, E219, F#219, G#219, A219, B-50, C#220, D220, E220, F#220, G#220, A220, B-51, C#221, D221, E221, F#221, G#221, A221, B-52, C#222, D222, E222, F#222, G#222, A222, B-53, C#223, D223, E223, F#223, G#223, A223, B-54, C#224, D224, E224, F#224, G#224, A224, B-55, C#225, D225, E225, F#225, G#225, A225, B-56, C#226, D226, E226, F#226, G#226, A226, B-57, C#227, D227, E227, F#227, G#227, A227, B-58, C#228, D228, E228, F#228, G#228, A228, B-59, C#229, D229, E229, F#229, G#229, A229, B-60, C#230, D230, E230, F#230, G#230, A230, B-61, C#231, D231, E231, F#231, G#231, A231, B-62, C#232, D232, E232, F#232, G#232, A232, B-63, C#233, D233, E233, F#233, G#233, A233, B-64, C#234, D234, E234, F#234, G#234, A234, B-65, C#235, D235, E235, F#235, G#235, A235, B-66, C#236, D236, E236, F#236, G#236, A236, B-67, C#237, D237, E237, F#237, G#237, A237, B-68, C#238, D238, E238, F#238, G#238, A238, B-69, C#239, D239, E239, F#239, G#239, A239, B-70, C#240, D240, E240, F#240, G#240, A240, B-71, C#241, D241, E241, F#241, G#241, A241, B-72, C#242, D242, E242, F#242, G#242, A242, B-73, C#243, D243, E243, F#243, G#243, A243, B-74, C#244, D244, E244, F#244, G#244, A244, B-75, C#245, D245, E245, F#245, G#245, A245, B-76, C#246, D246, E246, F#246, G#246, A246, B-77, C#247, D247, E247, F#247, G#247, A247, B-78, C#248, D248, E248, F#248, G#248, A248, B-79, C#249, D249, E249, F#249, G#249, A249, B-80, C#250, D250, E250, F#250, G#250, A250, B-81, C#251, D251, E251, F#251, G#251, A251, B-82, C#252, D252, E252, F#252, G#252, A252, B-83, C#253, D253, E253, F#253, G#253, A253, B-84, C#254, D254, E254, F#254, G#254, A254, B-85, C#255, D255, E255, F#255, G#255, A255, B-86, C#256, D256, E256, F#256, G#256, A256, B-87, C#257, D257, E257, F#257, G#257, A257, B-88, C#258, D258, E258, F#258, G#258, A258, B-89, C#259, D259, E259, F#259, G#259, A259, B-90, C#260, D260, E260, F#260, G#260, A260, B-91, C#261, D261, E261, F#261, G#261, A261, B-92, C#262, D262, E262, F#262, G#262, A262, B-93, C#263, D263, E263, F#263, G#263, A263, B-94, C#264, D264, E264, F#264, G#264, A264, B-95, C#265, D265, E265, F#265, G#265, A265, B-96, C#266, D266, E266, F#266, G#266, A266, B-97, C#267, D267, E267, F#267, G#267, A267, B-98, C#268, D268, E268, F#268, G#268, A268, B-99, C#269, D269, E269, F#269, G#269, A269, B-100, C#270, D270, E270, F#270, G#270, A270, B-101, C#271, D271, E271, F#271, G#271, A271, B-102, C#272, D272, E272, F#272, G#272, A272, B-103, C#273, D273, E273, F#273, G#273, A273, B-104, C#274, D274, E274, F#274, G#274, A274, B-105, C#275, D275, E275, F#275, G#275, A275, B-106, C#276, D276, E276, F#276, G#276, A276, B-107, C#277, D277, E277, F#277, G#277, A277, B-108, C#278, D278, E278, F#278, G#278, A278, B-109, C#279, D279, E279, F#279, G#279, A279, B-110, C#280, D280, E280, F#280, G#280, A280, B-111, C#281, D281, E281, F#281, G#281, A281, B-112, C#282, D282, E282, F#282, G#282, A282, B-113, C#283, D283, E283, F#283, G#283, A283, B-114, C#284, D284, E284, F#284, G#284, A284, B-115, C#285, D285, E285, F#285, G#285, A285, B-116, C#286, D286, E286, F#286, G#286, A286, B-117, C#287, D287, E287, F#287, G#287, A287, B-118, C#288, D288, E288, F#288, G#288, A288, B-119, C#289, D289, E289, F#289, G#289, A289, B-120, C#290, D290, E290, F#290, G#290, A290, B-121, C#291, D291, E291, F#291, G#291, A291, B-122, C#292, D292, E292, F#292, G#292, A292, B-123, C#293, D293, E293, F#293, G#293, A293, B-124, C#294, D294, E294, F#294, G#294, A294, B-125, C#295, D295, E295, F#295, G#295, A295, B-126, C#296, D296, E296, F#296, G#296, A296, B-127, C#297, D297, E297, F#297, G#297, A297, B-128, C#298, D298, E298, F#298, G#298, A298, B-129, C#299, D299, E299, F#299, G#299, A299, B-130, C#300, D300, E300, F#300, G#300, A300, B-131, C#301, D301, E301, F#301, G#301, A301, B-132, C#302, D302, E302, F#302, G#302, A302, B-133, C#303, D303, E303, F#303, G#303, A303, B-134, C#304, D304, E304, F#304, G#304, A304, B-135, C#305, D305, E305, F#305, G#305, A305, B-136, C#306, D306, E306, F#306, G#306, A306, B-137, C#307, D307, E307, F#307, G#307, A307, B-138, C#308, D308, E308, F#308, G#308, A308, B-139, C#309, D309, E309, F#309, G#309, A309, B-140, C#310, D310, E310, F#310, G#310, A310, B-141, C#311, D311, E311, F#311, G#311, A311, B-142, C#312, D312, E312, F#312, G#312, A312, B-143, C#313, D313, E313, F#313, G#313, A313, B-144, C#314, D314, E314, F#314, G#314, A314, B-145, C#315, D315, E315, F#315, G#315, A315, B-146, C#316, D316, E316, F#316, G#316, A316, B-147, C#317, D317, E317, F#317, G#317, A317, B-148, C#318, D318, E318, F#318, G#318, A318, B-149, C#319, D319, E319, F#319, G#319, A319, B-150, C#320, D320, E320, F#320, G#320, A320, B-151, C#321, D321, E321, F#321, G#321, A321, B-152, C#322, D322, E322, F#322, G#322, A322, B-153, C#323, D323, E323, F#323, G#323, A323, B-154, C#324, D324, E324, F#324, G#324, A324, B-155, C#325, D325, E325, F#325, G#325, A325, B-156, C#326, D326, E326, F#326, G#326, A326, B-157, C#327, D327, E327, F#327, G#327, A327, B-158, C#328, D328, E328, F#328, G#328, A328, B-159, C#329, D329, E329, F#329, G#329, A329, B-160, C#330, D330, E330, F#330, G#330, A330, B-161, C#331, D331, E331, F#331, G#331, A331, B-162, C#332, D332, E332, F#332, G#332, A332, B-163, C#333, D333, E333, F#333, G#333, A333, B-164, C#334, D334, E334, F#334, G#334, A334, B-165, C#335, D335, E335, F#335, G#335, A335, B-166, C#336, D336, E336, F#336, G#336, A336, B-167, C#337, D337, E337, F#337, G#337, A337, B-168, C#338, D338, E338, F#338, G#338, A338, B-169, C#339, D339, E339, F#339, G#339, A339, B-170, C#340, D340, E340, F#340, G#340, A340, B-171, C#341, D341, E341, F#341, G#341, A341, B-172, C#342, D342, E342, F#342, G#342, A342, B-173, C#343,

7th Chord Worksheet
Minor Major 7

E min(maj7)

Two staves of musical notation for the E min(maj7) chord exercise. The top staff shows a sequence of notes: E2, G2, B2, D3, E3, G3, B3, D4, E4, G4, B4, D5, E5, G5, B5, D6, E6. The bottom staff shows a complex rhythmic exercise with eighth and sixteenth notes, including triplets, all based on the chord tones of E min(maj7).

F min(maj7)

Two staves of musical notation for the F min(maj7) chord exercise. The top staff shows a sequence of notes: F2, A2, C3, D3, F3, A3, C4, D4, F4, A4, C5, D5, F5, A5, C6, D6, F6. The bottom staff shows a complex rhythmic exercise with eighth and sixteenth notes, including triplets, all based on the chord tones of F min(maj7).

F# min(maj7)

Two staves of musical notation for the F# min(maj7) chord exercise. The top staff shows a sequence of notes: F#2, A#2, C#3, D#3, F#3, A#3, C#4, D#4, F#4, A#4, C#5, D#5, F#5, A#5, C#6, D#6, F#6. The bottom staff shows a complex rhythmic exercise with eighth and sixteenth notes, including triplets, all based on the chord tones of F# min(maj7).

G min(maj7)

Two staves of musical notation for the G min(maj7) chord exercise. The top staff shows a sequence of notes: G2, B2, D3, E3, G3, B3, D4, E4, G4, B4, D5, E5, G5, B5, D6, E6, G6. The bottom staff shows a complex rhythmic exercise with eighth and sixteenth notes, including triplets, all based on the chord tones of G min(maj7).

7th Chord Worksheet
Minor Major 7

A^bmin(maj7)

Two staves of musical notation for the A^bmin(maj7) chord exercise. The first staff shows a sequence of notes: A^b2, C^b3, D^b3, E^b3, F^b3, G^b3, A^b3, B^b3, C^b4, D^b4, E^b4, F^b4, G^b4, A^b4. The second staff shows a more complex exercise with eighth and sixteenth notes, including accidentals for the flat notes.

Amin(maj7)

Two staves of musical notation for the Amin(maj7) chord exercise. The first staff shows a sequence of notes: A2, C3, D3, E3, F#3, G3, A3, B3, C4, D4, E4, F#4, G4, A4. The second staff shows a more complex exercise with eighth and sixteenth notes, including accidentals for the flat notes.

B^bmin(maj7)

Two staves of musical notation for the B^bmin(maj7) chord exercise. The first staff shows a sequence of notes: B^b2, D^b3, E^b3, F^b3, G^b3, A^b3, B^b3, C^b4, D^b4, E^b4, F^b4, G^b4, A^b4. The second staff shows a more complex exercise with eighth and sixteenth notes, including accidentals for the flat notes.

Bmin(maj7)

Two staves of musical notation for the Bmin(maj7) chord exercise. The first staff shows a sequence of notes: B2, D3, E3, F#3, G#3, A3, B3, C4, D4, E4, F#4, G4, B4. The second staff shows a more complex exercise with eighth and sixteenth notes, including accidentals for the flat notes.

Cello

7th Chord Worksheet

Minor 7 -5

Christian Howes

In Extended Range:

Cmin7-5

Musical notation for Cmin7-5 in extended range, showing the chord structure across the cello's range.

Inversions:

Musical notation for Cmin7-5 inversions, showing the chord structure across the cello's range.

D#min7-5

Musical notation for D#min7-5 in extended range, showing the chord structure across the cello's range.

Musical notation for D#min7-5 inversions, showing the chord structure across the cello's range.

Dmin7-5

Musical notation for Dmin7-5 in extended range, showing the chord structure across the cello's range.

Musical notation for Dmin7-5 inversions, showing the chord structure across the cello's range.

D#min7-5

Musical notation for D#min7-5 in extended range, showing the chord structure across the cello's range.

Musical notation for D#min7-5 inversions, showing the chord structure across the cello's range.

7th Chord Worksheet
Minor 7 -5

Emin7-5

Two staves of music for the Emin7-5 chord exercise. The first staff shows a sequence of notes: C2, C3, D3, E3, F3, G3, A3, B3, C4, D4, E4, F4, G4, A4, B4, C5. The second staff shows a complex rhythmic exercise with eighth and sixteenth notes, including accidentals (flats and naturals) and a double bar line at the end.

Fmin7-5

Two staves of music for the Fmin7-5 chord exercise. The first staff shows a sequence of notes: F2, F3, G3, A3, Bb3, C4, D4, Eb4, F4, G4, Ab4, Bb4, C5. The second staff shows a complex rhythmic exercise with eighth and sixteenth notes, including accidentals (flats and naturals) and a double bar line at the end.

F#min7-5

Two staves of music for the F#min7-5 chord exercise. The first staff shows a sequence of notes: F#2, F#3, G3, A3, B3, C#3, D4, E4, F#4, G4, A4, B4, C5. The second staff shows a complex rhythmic exercise with eighth and sixteenth notes, including accidentals (sharps and naturals) and a double bar line at the end.

Gmin7-5

Two staves of music for the Gmin7-5 chord exercise. The first staff shows a sequence of notes: G2, G3, A3, B3, C4, D4, E4, F4, G4, A4, B4, C5. The second staff shows a complex rhythmic exercise with eighth and sixteenth notes, including accidentals (flats and naturals) and a double bar line at the end.

7th Chord Worksheet
Minor 7 -5

G#min7-5

Two staves of musical notation for the G#min7-5 chord exercise. The first staff shows a sequence of notes: G#2, A2, B2, C#3, D3, E3, F#3, G#3, A3, B3, C#4, D4, E4, F#4, G#4, A4, B4, C#5, D5, E5, F#5, G#5, A5, B5, C#6, D6, E6, F#6, G#6, A6, B6, C#7, D7, E7, F#7, G#7, A7, B7, C#8, D8, E8, F#8, G#8, A8, B8, C#9, D9, E9, F#9, G#9, A9, B9, C#10, D10, E10, F#10, G#10, A10, B10, C#11, D11, E11, F#11, G#11, A11, B11, C#12, D12, E12, F#12, G#12, A12, B12, C#13, D13, E13, F#13, G#13, A13, B13, C#14, D14, E14, F#14, G#14, A14, B14, C#15, D15, E15, F#15, G#15, A15, B15, C#16, D16, E16, F#16, G#16, A16, B16, C#17, D17, E17, F#17, G#17, A17, B17, C#18, D18, E18, F#18, G#18, A18, B18, C#19, D19, E19, F#19, G#19, A19, B19, C#20, D20, E20, F#20, G#20, A20, B20, C#21, D21, E21, F#21, G#21, A21, B21, C#22, D22, E22, F#22, G#22, A22, B22, C#23, D23, E23, F#23, G#23, A23, B23, C#24, D24, E24, F#24, G#24, A24, B24, C#25, D25, E25, F#25, G#25, A25, B25, C#26, D26, E26, F#26, G#26, A26, B26, C#27, D27, E27, F#27, G#27, A27, B27, C#28, D28, E28, F#28, G#28, A28, B28, C#29, D29, E29, F#29, G#29, A29, B29, C#30, D30, E30, F#30, G#30, A30, B30, C#31, D31, E31, F#31, G#31, A31, B31, C#32, D32, E32, F#32, G#32, A32, B32, C#33, D33, E33, F#33, G#33, A33, B33, C#34, D34, E34, F#34, G#34, A34, B34, C#35, D35, E35, F#35, G#35, A35, B35, C#36, D36, E36, F#36, G#36, A36, B36, C#37, D37, E37, F#37, G#37, A37, B37, C#38, D38, E38, F#38, G#38, A38, B38, C#39, D39, E39, F#39, G#39, A39, B39, C#40, D40, E40, F#40, G#40, A40, B40, C#41, D41, E41, F#41, G#41, A41, B41, C#42, D42, E42, F#42, G#42, A42, B42, C#43, D43, E43, F#43, G#43, A43, B43, C#44, D44, E44, F#44, G#44, A44, B44, C#45, D45, E45, F#45, G#45, A45, B45, C#46, D46, E46, F#46, G#46, A46, B46, C#47, D47, E47, F#47, G#47, A47, B47, C#48, D48, E48, F#48, G#48, A48, B48, C#49, D49, E49, F#49, G#49, A49, B49, C#50, D50, E50, F#50, G#50, A50, B50, C#51, D51, E51, F#51, G#51, A51, B51, C#52, D52, E52, F#52, G#52, A52, B52, C#53, D53, E53, F#53, G#53, A53, B53, C#54, D54, E54, F#54, G#54, A54, B54, C#55, D55, E55, F#55, G#55, A55, B55, C#56, D56, E56, F#56, G#56, A56, B56, C#57, D57, E57, F#57, G#57, A57, B57, C#58, D58, E58, F#58, G#58, A58, B58, C#59, D59, E59, F#59, G#59, A59, B59, C#60, D60, E60, F#60, G#60, A60, B60, C#61, D61, E61, F#61, G#61, A61, B61, C#62, D62, E62, F#62, G#62, A62, B62, C#63, D63, E63, F#63, G#63, A63, B63, C#64, D64, E64, F#64, G#64, A64, B64, C#65, D65, E65, F#65, G#65, A65, B65, C#66, D66, E66, F#66, G#66, A66, B66, C#67, D67, E67, F#67, G#67, A67, B67, C#68, D68, E68, F#68, G#68, A68, B68, C#69, D69, E69, F#69, G#69, A69, B69, C#70, D70, E70, F#70, G#70, A70, B70, C#71, D71, E71, F#71, G#71, A71, B71, C#72, D72, E72, F#72, G#72, A72, B72, C#73, D73, E73, F#73, G#73, A73, B73, C#74, D74, E74, F#74, G#74, A74, B74, C#75, D75, E75, F#75, G#75, A75, B75, C#76, D76, E76, F#76, G#76, A76, B76, C#77, D77, E77, F#77, G#77, A77, B77, C#78, D78, E78, F#78, G#78, A78, B78, C#79, D79, E79, F#79, G#79, A79, B79, C#80, D80, E80, F#80, G#80, A80, B80, C#81, D81, E81, F#81, G#81, A81, B81, C#82, D82, E82, F#82, G#82, A82, B82, C#83, D83, E83, F#83, G#83, A83, B83, C#84, D84, E84, F#84, G#84, A84, B83, C#85, D85, E85, F#85, G#85, A85, B85, C#86, D86, E86, F#86, G#86, A86, B86, C#87, D87, E87, F#87, G#87, A87, B87, C#88, D88, E88, F#88, G#88, A88, B88, C#89, D89, E89, F#89, G#89, A89, B89, C#90, D90, E90, F#90, G#90, A90, B90, C#91, D91, E91, F#91, G#91, A91, B91, C#92, D92, E92, F#92, G#92, A92, B92, C#93, D93, E93, F#93, G#93, A93, B93, C#94, D94, E94, F#94, G#94, A94, B94, C#95, D95, E95, F#95, G#95, A95, B95, C#96, D96, E96, F#96, G#96, A96, B96, C#97, D97, E97, F#97, G#97, A97, B97, C#98, D98, E98, F#98, G#98, A98, B98, C#99, D99, E99, F#99, G#99, A99, B99, C#100, D100, E100, F#100, G#100, A100, B100, C#101, D101, E101, F#101, G#101, A101, B101, C#102, D102, E102, F#102, G#102, A102, B102, C#103, D103, E103, F#103, G#103, A103, B103, C#104, D104, E104, F#104, G#104, A104, B104, C#105, D105, E105, F#105, G#105, A105, B105, C#106, D106, E106, F#106, G#106, A106, B106, C#107, D107, E107, F#107, G#107, A107, B107, C#108, D108, E108, F#108, G#108, A108, B108, C#109, D109, E109, F#109, G#109, A109, B109, C#110, D110, E110, F#110, G#110, A110, B110, C#111, D111, E111, F#111, G#111, A111, B111, C#112, D112, E112, F#112, G#112, A112, B112, C#113, D113, E113, F#113, G#113, A113, B113, C#114, D114, E114, F#114, G#114, A114, B114, C#115, D115, E115, F#115, G#115, A115, B115, C#116, D116, E116, F#116, G#116, A116, B116, C#117, D117, E117, F#117, G#117, A117, B117, C#118, D118, E118, F#118, G#118, A118, B118, C#119, D119, E119, F#119, G#119, A119, B119, C#120, D120, E120, F#120, G#120, A120, B120, C#121, D121, E121, F#121, G#121, A121, B121, C#122, D122, E122, F#122, G#122, A122, B122, C#123, D123, E123, F#123, G#123, A123, B123, C#124, D124, E124, F#124, G#124, A124, B124, C#125, D125, E125, F#125, G#125, A125, B125, C#126, D126, E126, F#126, G#126, A126, B126, C#127, D127, E127, F#127, G#127, A127, B127, C#128, D128, E128, F#128, G#128, A128, B128, C#129, D129, E129, F#129, G#129, A129, B129, C#130, D130, E130, F#130, G#130, A130, B130, C#131, D131, E131, F#131, G#131, A131, B131, C#132, D132, E132, F#132, G#132, A132, B132, C#133, D133, E133, F#133, G#133, A133, B133, C#134, D134, E134, F#134, G#134, A134, B134, C#135, D135, E135, F#135, G#135, A135, B135, C#136, D136, E136, F#136, G#136, A136, B136, C#137, D137, E137, F#137, G#137, A137, B137, C#138, D138, E138, F#138, G#138, A138, B138, C#139, D139, E139, F#139, G#139, A139, B139, C#140, D140, E140, F#140, G#140, A140, B140, C#141, D141, E141, F#141, G#141, A141, B141, C#142, D142, E142, F#142, G#142, A142, B142, C#143, D143, E143, F#143, G#143, A143, B143, C#144, D144, E144, F#144, G#144, A144, B144, C#145, D145, E145, F#145, G#145, A145, B145, C#146, D146, E146, F#146, G#146, A146, B146, C#147, D147, E147, F#147, G#147, A147, B147, C#148, D148, E148, F#148, G#148, A148, B148, C#149, D149, E149, F#149, G#149, A149, B149, C#150, D150, E150, F#150, G#150, A150, B150, 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F#217, G#217, A217, B217, C#218, D218, E218, F#218, G#218, A218, B218, C#219, D219, E219, F#219, G#219, A219, B219, C#220, D220, E220, F#220, G#220, A220, B220, C#221, D221, E221, F#221, G#221, A221, B221, C#222, D222, E222, F#222, G#222, A222, B222, C#223, D223, E223, F#223, G#223, A223, B223, C#224, D224, E224, F#224, G#224, A224, B224, C#225, D225, E225, F#225, G#225, A225, B225, C#226, D226, E226, F#226, G#226, A226, B226, C#227, D227, E227, F#227, G#227, A227, B227, C#228, D228, E228, F#228, G#228, A228, B228, C#229, D229, E229, F#229, G#229, A229, B229, C#230, D230, E230, F#230, G#230, A230, B230, C#231, D231, E231, F#231, G#231, A231, B231, C#232, D232, E232, F#232, G#232, A232, B232, C#233, D233, E233, F#233, G#233, A233, B233, C#234, D234, E234, F#234, G#234, A234, B234, C#235, D235, E235, F#235, G#235, A235, B235, C#236, D236, E236, F#236, G#236, A236, B236, C#237, D237, E237, F#237, G#237, A237, B237, C#238, D238, E238, F#238, G#238, A238, B238, C#239, D239, E239, F#239, G#239, A239, B239, C#240, D240, E240, F#240, G#240, A240, B240, C#241, D241, E241, F#241, G#241, A241, B241, C#242, D242, E242, F#242, G#242, A242, B242, C#243, D243, E243, F#243, G#243, A243, B243, C#244, D244, E244, F#244, G#244, A244, B244, C#245, D245, E245, F#245, G#245, A245, B245, C#246, D246, E246, F#246, G#246, A246, B246, C#247, D247, E247, F#247, G#247, A247, B247, C#248, D248, E248, F#248, G#248, A248, B248, C#249, D249, E249, F#249, G#249, A249, B249, C#250, D250, E250, F#250, G#250, A250, B250, C#251, D251, E251, F#251, G#251, A251, B251, C#252, D252, E252, F#252, G#252, A252, B252, C#253, D253, E253, F#253, G#253, A253, B253, C#254, D254, E254, F#254, G#254, A254, B254, C#255, D255, E255, F#255, G#255, A255, B255, C#256, D256, E256, F#256, G#256, A256, B256, C#257, D257, E257, F#257, G#257, A257, B257, C#258, D258, E258, F#258, G#258, A258, B258, C#259, D259, E259, F#259, G#259, A259, B259, C#260, D260, E260, F#260, G#260, A260, B260, C#261, D261, E261, F#261, G#261, A261, B261, C#262, D262, E262, F#262, G#262, A262, B262, C#263, D263, E263, F#263, G#263, A263, B263, C#264, D264, E264, F#264, G#264, A264, B264, C#265, D265, E265, F#265, G#265, A265, B265, C#266, D266, E266, F#266, G#266, A266, B266, C#267, D267, E267, F#267, G#267, A267, B267, C#268, D268, E268, F#268, G#268, A268, B268, C#269, D269, E269, F#269, G#269, A269, B269, C#270, D270, E270, F#270, G#270, A270, B270, C#271, D271, E271, F#271, G#271, A271, B271, C#272, D272, E272, F#272, G#272, A272, B272, C#273, D273, E273, F#273, G#273, A273, B273, C#274, D274, E274, F#274, G#274, A274, B274, C#275, D275, E275, F#275, G#275, A275, B275, C#276, D276, E276, F#276, G#276, A276, B276, C#277, D277, E277, F#277, G#277, A277, B277, C#278, D278, E278, F#278, G#278, A278, B278, C#279, D279, E279, F#279, G#279, A279, B279, C#280, D280, E280, F#280, G#280, A280, B280, C#281, D281, E281, F#281, G#281, A281, B281, C#282, D282, E282, F#282, G#282, A282, B282, C#283, D283, E283, F#283, G#283, A283, B283, C#284, D284, E284, F#284, G#284, A284, B284, C#285, D285, E285, F#285, G#285, A285, B285, C#286, D286, E286, F#286, G#286, A286, B286, C#287, D287, E287, F#287, G#287, A287, B287, C#288, D288, E288, F#288, G#288, A288, B288, C#289, D289, E289, F#289, G#289, A289, B289, C#290, D290, E290, F#290, G#290, A290, B290, C#291, D291, E291, F#291, G#291, A291, B291, C#292, D292, E292, F#292, G#292, A292, B292, C#293, D293, E293, F#293, G#293, A293, B293, C#294, D294, E294, F#294, G#294, A294, B294, C#295, D295, E295, F#295, G#295, A295, B295, C#296, D296, E296, F#296, G#296, A296, B296, C#297, D297, E297, F#297, G#297, A297, B297, C#298, D298, E298, F#298, G#298, A298, B298, C#299, D299, E299, F#299, G#299, A299, B299, C#300, D300, E300, F#300, G#300, A300, B300, C#301, D301, E301, F#301, G#301, A301, B301, C#302, D302, E302, F#302, G#302, A302, B302, C#303, D303, E303, F#303, G#303, A303, B303, C#304, D304, E304, F#304, G#304, A304, B304, C#305, D305, E305, F#305, G#305, A305, B305, C#306, D306, E306, F#306, G#306, A306, B306, C#307, D307, E307, F#307, G#307, A307, B307, C#308, D308, E308, F#308, G#308, A308, B308, C#309, D309, E309, F#309, G#309, A309, B309, C#310, D310, E310, F#310, G#310, A310, B310, C#311, D311, E311, F#311, G#311, A311, B311, C#312, D312, E312, F#312, G#312, A312, B312, C#313, D313, E313, F#313, G#313, A313, B313, C#314, D314, E314, F#314, G#314, A314, B314, C#315, D315, E315, F#315, G#315, A315, B315, C#316, D316, E316, F#316, G#316, A316, B316, C#317, D317, E317, F#317, G#317, A317, B317, C#318, D318, E318, F#318, G#318, A318, B318, C#319, D319, E319, F#319, G#319, A319, B319, C#320, D320, E320, F#320, G#320, A320, B320, C#321, D321, E321, F#321, G#321, A321, B321, C#322, D322, E322, F#322, G#322, A322, B322, C#323, D323, E323, F#323, G#323, A323, B323, C#324, D324, E324, F#324, G#324, A324, B324, C#325, D325, E325, F#325, G#325, A325, B325, C#326, D326, E326, F#326, G#326, A326, B326, C#327, D327, E327, F#327, G#327, A327, B327, C#328, D328, E328, F#328, G#328, A328, B328, C#329, D329, E329, F#329, G#329, A329, B329, C#330, D330, E330, F#330, G#330, A330, B330, C#331, D331, E331, F#331, G#331, A331, B331, C#332, D332, E332, F#332, G#332, A332, B332, C#333, D333, E333, F#333, G#333, A333, B333, C#334, D334, E334, F#334, G#334, A334, B334, C#335, D335, E335, F#335, G#335, A335, B335, C#336, D336, E336, F#336, G#336, A336, B336, C#337, D337, E337, F#337, G#337, A337, B337, C#338, D338, E338, F#338, G#338, A338, B338, C#339, D339, E339, F#339, G#339, A339, B339, C#340, D340, E340, F#340, G#340, A340, B340, C#341, D341, E341, F#341, G#341, A341, B341, C#342, D342, E342, F#342,

Cello

7th Chord Worksheet

Fully Diminished

Christian Howes

In Extended Range:

C dim7

Musical notation for C dim7 in extended range, showing the notes C, Bb, Ab, Gb on a single staff.

Inversions:

Musical notation for C dim7 inversions, showing the notes Bb, Ab, Gb, C in ascending and descending patterns on a single staff.

C#dim7

Musical notation for C#dim7 in extended range, showing the notes C#, B, Ab, Gb on a single staff.

Musical notation for C#dim7 inversions, showing the notes B, Ab, Gb, C# in ascending and descending patterns on a single staff.

Ddim7

Musical notation for Ddim7 in extended range, showing the notes D, C, Bb, Ab on a single staff.

Musical notation for Ddim7 inversions, showing the notes C, Bb, Ab, D in ascending and descending patterns on a single staff.

D#dim7

Musical notation for D#dim7 in extended range, showing the notes D#, C#, B, Ab on a single staff.

Musical notation for D#dim7 inversions, showing the notes C#, B, Ab, D# in ascending and descending patterns on a single staff.

7th Chord Worksheet
Fully Diminished

E dim7

Musical notation for E dim7 chord in bass clef. The first staff shows the chord tones: E2, G2, Bb2, D3. The second staff shows a descending eighth-note scale: E4, D4, C4, B3, Ab3, G3, F3, E3, D3, C3, B2, Ab2, G2, F2, E2.

F dim7

Musical notation for F dim7 chord in bass clef. The first staff shows the chord tones: F2, Ab2, Cb3, Eb3. The second staff shows a descending eighth-note scale: F4, Eb4, D4, C4, Bb3, Ab3, G3, F3, Eb3, D3, C3, Bb2, Ab2, G2, F2.

F# dim7

Musical notation for F# dim7 chord in bass clef. The first staff shows the chord tones: F#2, Ab2, Cb3, Eb3. The second staff shows a descending eighth-note scale: F#4, Eb4, D4, C4, Bb3, Ab3, G3, F3, Eb3, D3, C3, Bb2, Ab2, G2, F2.

G dim7

Musical notation for G dim7 chord in bass clef. The first staff shows the chord tones: G2, Bb2, D3, F3. The second staff shows a descending eighth-note scale: G4, F4, E4, D4, C4, Bb3, Ab3, G3, F3, Eb3, D3, C3, Bb2, Ab2, G2.

7th Chord Worksheet
Fully Diminished

G#dim7

Two staves of musical notation for the G#dim7 chord exercise. The top staff shows a sequence of notes: G2, A2, B2, C#3, D3, E3, F#3, G3, A3, B3, C4, D4, E4, F#4, G4. The bottom staff shows a complex arpeggiated pattern of these notes in a descending sequence.

A dim7

Two staves of musical notation for the A dim7 chord exercise. The top staff shows a sequence of notes: A2, Bb2, Cb3, D3, Eb3, F3, G3, Ab3, A3, Bb3, Cb4, D4, Eb4, F4, G4. The bottom staff shows a complex arpeggiated pattern of these notes in a descending sequence.

A#dim7

Two staves of musical notation for the A#dim7 chord exercise. The top staff shows a sequence of notes: A2, Bb2, Cb3, D3, Eb3, F#3, G3, Ab3, A3, Bb3, Cb4, D4, Eb4, F#4, G4. The bottom staff shows a complex arpeggiated pattern of these notes in a descending sequence.

B dim7

Two staves of musical notation for the B dim7 chord exercise. The top staff shows a sequence of notes: B2, C3, D3, Eb3, F3, G3, Ab3, B3, C4, D4, Eb4, F4, G4, Ab4, B4. The bottom staff shows a complex arpeggiated pattern of these notes in a descending sequence.

Cello

7th Chord Worksheet

Augmented Major 7

Christian Howes

In Extended Range:

Cmaj7(#5)



Inversions:



D^bmaj7(#5)



Dmaj7(#5)



E^bmaj7(#5)



7th Chord Worksheet
Augmented Major 7

E maj7(#5)

Two staves of musical notation for E maj7(#5). The top staff shows a sequence of notes: E4, F#4, G4, A4, B4, C#5, D5, E5, D4, C3. The bottom staff shows a complex arpeggiated pattern of these notes in a rhythmic sequence.

F maj7(#5)

Two staves of musical notation for F maj7(#5). The top staff shows a sequence of notes: F4, G4, A4, B4, C5, D5, E5, F5, E4, D3. The bottom staff shows a complex arpeggiated pattern of these notes in a rhythmic sequence.

G^b maj7(#5)

Two staves of musical notation for G^b maj7(#5). The top staff shows a sequence of notes: G4, A4, B4, C5, D5, E5, F#5, G5, F4, E3. The bottom staff shows a complex arpeggiated pattern of these notes in a rhythmic sequence.

G maj7(#5)

Two staves of musical notation for G maj7(#5). The top staff shows a sequence of notes: G4, A4, B4, C5, D5, E5, F#5, G5, F4, E3. The bottom staff shows a complex arpeggiated pattern of these notes in a rhythmic sequence.

7th Chord Worksheet
Augmented Major 7

A^bmaj7(#5)

Two staves of music for the A^bmaj7(#5) chord. The top staff shows a descending eighth-note scale: A^b2, G2, F2, E2, D2, C2, B^b1, A^b1. The bottom staff shows a descending eighth-note arpeggiated pattern: A^b2, G2, F2, E2, D2, C2, B^b1, A^b1.

A maj7(#5)

Two staves of music for the A maj7(#5) chord. The top staff shows a descending eighth-note scale: A2, G2, F2, E2, D2, C2, B2, A2. The bottom staff shows a descending eighth-note arpeggiated pattern: A2, G2, F2, E2, D2, C2, B2, A2.

B^bmaj7(#5)

Two staves of music for the B^bmaj7(#5) chord. The top staff shows a descending eighth-note scale: B^b2, A2, G2, F2, E2, D2, C2, B^b1. The bottom staff shows a descending eighth-note arpeggiated pattern: B^b2, A2, G2, F2, E2, D2, C2, B^b1.

B maj7(#5)

Two staves of music for the B maj7(#5) chord. The top staff shows a descending eighth-note scale: B2, A2, G2, F2, E2, D2, C2, B2. The bottom staff shows a descending eighth-note arpeggiated pattern: B2, A2, G2, F2, E2, D2, C2, B2.

Cello

7th Chord Worksheet

Augmented Dominant 7

Christian Howes

In Extended Range:
C^{aug7}

First staff of musical notation for C^{aug7} in extended range, showing a sequence of notes: C2, C3, D3, E3, F3, G3, A3, B3, C4, D4, E4, F4, G4, A4, B4, C5.

Inversions:

First staff of musical notation for C^{aug7} inversions, showing a sequence of notes: C2, C3, D3, E3, F3, G3, A3, B3, C4, D4, E4, F4, G4, A4, B4, C5.

D^baug7

First staff of musical notation for D^baug7 in extended range, showing a sequence of notes: D2, D3, E3, F3, G3, A3, B3, C4, D4, E4, F4, G4, A4, B4, C5.

First staff of musical notation for D^baug7 inversions, showing a sequence of notes: D2, D3, E3, F3, G3, A3, B3, C4, D4, E4, F4, G4, A4, B4, C5.

D^{aug7}

First staff of musical notation for D^{aug7} in extended range, showing a sequence of notes: D2, D3, E3, F3, G3, A3, B3, C4, D4, E4, F4, G4, A4, B4, C5.

First staff of musical notation for D^{aug7} inversions, showing a sequence of notes: D2, D3, E3, F3, G3, A3, B3, C4, D4, E4, F4, G4, A4, B4, C5.

E^baug7

First staff of musical notation for E^baug7 in extended range, showing a sequence of notes: E2, E3, F3, G3, A3, B3, C4, D4, E4, F4, G4, A4, B4, C5.

First staff of musical notation for E^baug7 inversions, showing a sequence of notes: E2, E3, F3, G3, A3, B3, C4, D4, E4, F4, G4, A4, B4, C5.

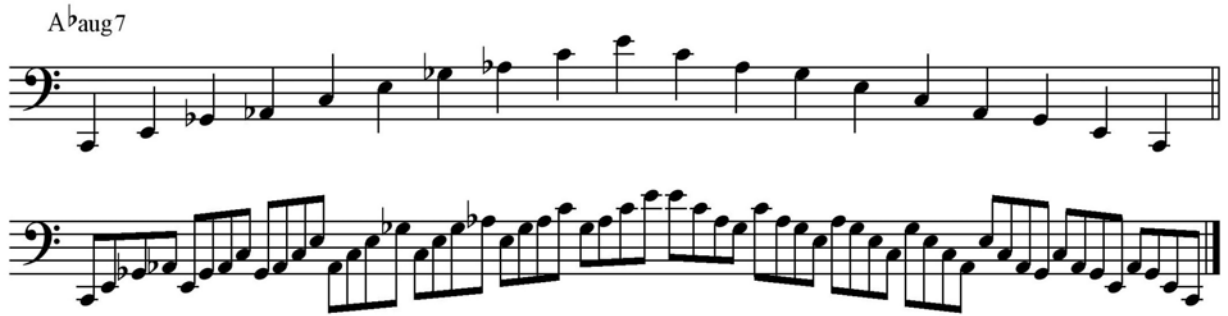
7th Chord Worksheet
Augmented Dominant 7

Eaug7

Two staves of musical notation for the Eaug7 chord exercise. The top staff shows a sequence of notes: E2, F#2, G2, A2, B2, C#3, D3, E3, F#3, G3, A3, B3, C#4, D4, E4, F#4, G4, A4, B4, C#5, D5, E5, F#5, G5, A5, B5, C#6, D6, E6, F#6, G6, A6, B6, C#7, D7, E7, F#7, G7, A7, B7, C#8, D8, E8, F#8, G8, A8, B8, C#9, D9, E9, F#9, G9, A9, B9, C#10, D10, E10, F#10, G10, A10, B10, C#11, D11, E11, F#11, G11, A11, B11, C#12, D12, E12, F#12, G12, A12, B12, C#13, D13, E13, F#13, G13, A13, B13, C#14, D14, E14, F#14, G14, A14, B14, C#15, D15, E15, F#15, G15, A15, B15, C#16, D16, E16, F#16, G16, A16, B16, C#17, D17, E17, F#17, G17, A17, B17, C#18, D18, E18, F#18, G18, A18, B18, C#19, D19, E19, F#19, G19, A19, B19, C#20, D20, E20, F#20, G20, A20, B20, C#21, D21, E21, F#21, G21, A21, B21, C#22, D22, E22, F#22, G22, A22, B22, C#23, D23, E23, F#23, G23, A23, B23, C#24, D24, E24, F#24, G24, A24, B24, C#25, D25, E25, F#25, G25, A25, B25, C#26, D26, E26, F#26, G26, A26, B26, C#27, D27, E27, F#27, G27, A27, B27, C#28, D28, E28, F#28, G28, A28, B28, C#29, D29, E29, F#29, G29, A29, B29, C#30, D30, E30, F#30, G30, A30, B30, C#31, D31, E31, F#31, G31, A31, B31, C#32, D32, E32, F#32, G32, A32, B32, C#33, D33, E33, F#33, G33, A33, B33, C#34, D34, E34, F#34, G34, A34, B34, C#35, D35, E35, F#35, G35, A35, B35, C#36, D36, E36, F#36, G36, A36, B36, C#37, D37, E37, F#37, G37, A37, B37, C#38, D38, E38, F#38, G38, A38, B38, C#39, D39, E39, F#39, G39, A39, B39, C#40, D40, E40, F#40, G40, A40, B40, C#41, D41, E41, F#41, G41, A41, B41, C#42, D42, E42, F#42, G42, A42, B42, C#43, D43, E43, F#43, G43, A43, B43, C#44, D44, E44, F#44, G44, A44, B44, C#45, D45, E45, F#45, G45, A45, B45, C#46, D46, E46, F#46, G46, A46, B46, C#47, D47, E47, F#47, G47, A47, B47, C#48, D48, E48, F#48, G48, A48, B48, C#49, D49, E49, F#49, G49, A49, B49, C#50, D50, E50, F#50, G50, A50, B50, C#51, D51, E51, F#51, G51, A51, B51, C#52, D52, E52, F#52, G52, A52, B52, C#53, D53, E53, F#53, G53, A53, B53, C#54, D54, E54, F#54, G54, A54, B54, C#55, D55, E55, F#55, G55, A55, B55, C#56, D56, E56, F#56, G56, A56, B56, C#57, D57, E57, F#57, G57, A57, B57, C#58, D58, E58, F#58, G58, A58, B58, C#59, D59, E59, F#59, G59, A59, B59, C#60, D60, E60, F#60, G60, A60, B60, C#61, D61, E61, F#61, G61, A61, B61, C#62, D62, E62, F#62, G62, A62, B62, C#63, D63, E63, F#63, G63, A63, B63, C#64, D64, E64, F#64, G64, A64, B64, C#65, D65, E65, F#65, G65, A65, B65, C#66, D66, E66, F#66, G66, A66, B66, C#67, D67, E67, F#67, G67, A67, B67, C#68, D68, E68, F#68, G68, A68, B68, C#69, D69, E69, F#69, G69, A69, B69, C#70, D70, E70, F#70, G70, A70, B70, C#71, D71, E71, F#71, G71, A71, B71, C#72, D72, E72, F#72, G72, A72, B72, C#73, D73, E73, F#73, G73, A73, B73, C#74, D74, E74, F#74, G74, A74, B74, C#75, D75, E75, F#75, G75, A75, B75, C#76, D76, E76, F#76, G76, A76, B76, C#77, D77, E77, F#77, G77, A77, B77, C#78, D78, E78, F#78, G78, A78, B78, C#79, D79, E79, F#79, G79, A79, B79, C#80, D80, E80, F#80, G80, A80, B80, C#81, D81, E81, F#81, G81, A81, B81, C#82, D82, E82, F#82, G82, A82, B82, C#83, D83, E83, F#83, 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B108, C#109, D109, E109, F#109, G109, A109, B109, C#110, D110, E110, F#110, G110, A110, B110, C#111, D111, E111, F#111, G111, A111, B111, C#112, D112, E112, F#112, G112, A112, B112, C#113, D113, E113, F#113, G113, A113, B113, C#114, D114, E114, F#114, G114, A114, B114, C#115, D115, E115, F#115, G115, A115, B115, C#116, D116, E116, F#116, G116, A116, B116, C#117, D117, E117, F#117, G117, A117, B117, C#118, D118, E118, F#118, G118, A118, B118, C#119, D119, E119, F#119, G119, A119, B119, C#120, D120, E120, F#120, G120, A120, B120, C#121, D121, E121, F#121, G121, A121, B121, C#122, D122, E122, F#122, G122, A122, B122, C#123, D123, E123, F#123, G123, A123, B123, C#124, D124, E124, F#124, G124, A124, B124, C#125, D125, E125, F#125, G125, A125, B125, C#126, D126, E126, F#126, G126, A126, B126, C#127, D127, E127, F#127, G127, A127, B127, C#128, D128, E128, F#128, G128, A128, B128, C#129, D129, E129, F#129, G129, A129, B129, C#130, D130, E130, F#130, G130, A130, B130, C#131, D131, E131, F#131, 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E154, F#154, G154, A154, B154, C#155, D155, E155, F#155, G155, A155, B155, C#156, D156, E156, F#156, G156, A156, B156, C#157, D157, E157, F#157, G157, A157, B157, C#158, D158, E158, F#158, G158, A158, B158, C#159, D159, E159, F#159, G159, A159, B159, C#160, D160, E160, F#160, G160, A160, B160, C#161, D161, E161, F#161, G161, A161, B161, C#162, D162, E162, F#162, G162, A162, B162, C#163, D163, E163, F#163, G163, A163, B163, C#164, D164, E164, F#164, G164, A164, B164, C#165, D165, E165, F#165, G165, A165, B165, C#166, D166, E166, F#166, G166, A166, B166, C#167, D167, E167, F#167, G167, A167, B167, C#168, D168, E168, F#168, G168, A168, B168, C#169, D169, E169, F#169, G169, A169, B169, C#170, D170, E170, F#170, G170, A170, B170, C#171, D171, E171, F#171, G171, A171, B171, C#172, D172, E172, F#172, G172, A172, B172, C#173, D173, E173, F#173, G173, A173, B173, C#174, D174, E174, F#174, G174, A174, B174, C#175, D175, E175, F#175, G175, A175, B175, C#176, D176, E176, F#176, G176, A176, B176, 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7th Chord Worksheet
Augmented Dominant 7

A^baug7



A aug7



B^baug7



B aug7



Viola

7th Chord Worksheet

Dominant 7

Christian Howes

In Extended Range:

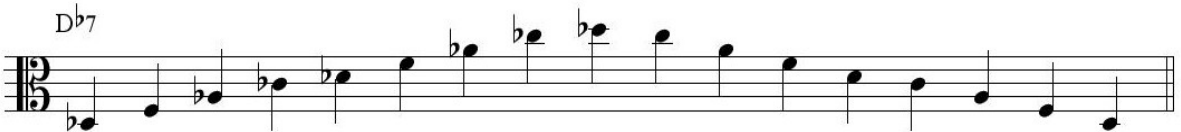
C7



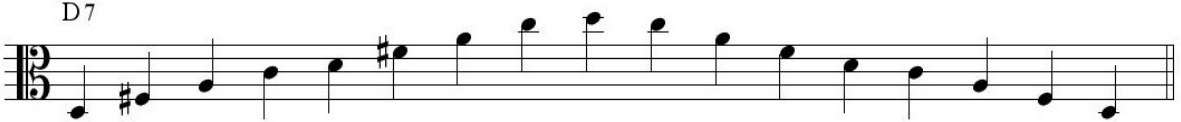
Inversions:



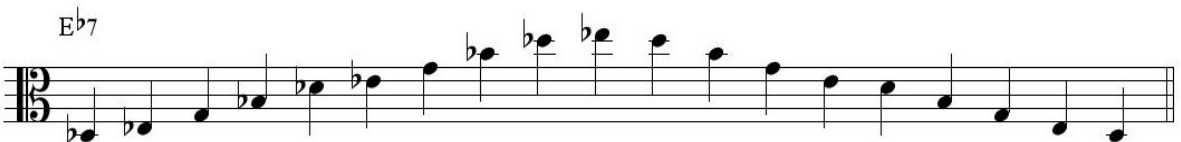
D^b7



D7



E^b7



7th Chord Worksheet
Dominant 7

A^b

Two staves of music for the A^b dominant 7 chord. The top staff shows the scale: A^b2, B^b3, C^b4, D^b5, E^b6, F^b7. The bottom staff shows a chromatic arpeggio: A^b2, B^b3, C^b4, D^b5, E^b6, F^b7, G^b8, A^b2, B^b3, C^b4, D^b5, E^b6, F^b7, G^b8, A^b2.

A7

Two staves of music for the A dominant 7 chord. The top staff shows the scale: A2, B3, C#4, D5, E6, F#7. The bottom staff shows a chromatic arpeggio: A2, B3, C#4, D5, E6, F#7, G#8, A2, B3, C#4, D5, E6, F#7, G#8, A2.

B^b7

Two staves of music for the B^b7 dominant 7 chord. The top staff shows the scale: B^b2, C^b3, D^b4, E^b5, F^b6, G^b7. The bottom staff shows a chromatic arpeggio: B^b2, C^b3, D^b4, E^b5, F^b6, G^b7, A^b8, B^b2, C^b3, D^b4, E^b5, F^b6, G^b7, A^b8, B^b2.

B7

Two staves of music for the B dominant 7 chord. The top staff shows the scale: B2, C#3, D#4, E5, F#6, G#7. The bottom staff shows a chromatic arpeggio: B2, C#3, D#4, E5, F#6, G#7, A#8, B2, C#3, D#4, E5, F#6, G#7, A#8, B2.

Viola

7th Chord Worksheet

Major 7

Christian Howes

In Extended Range:

Cmaj7

Musical notation for Cmaj7 in extended range, showing a scale of eighth notes across two staves.

Inversions:

Musical notation for Cmaj7 inversions, showing a scale of eighth notes across two staves.

D^bmaj7

Musical notation for D^bmaj7 in extended range, showing a scale of eighth notes across two staves.

Musical notation for D^bmaj7 inversions, showing a scale of eighth notes across two staves.

Dmaj7

Musical notation for Dmaj7 in extended range, showing a scale of eighth notes across two staves.

Musical notation for Dmaj7 inversions, showing a scale of eighth notes across two staves.

E^bmaj7

Musical notation for E^bmaj7 in extended range, showing a scale of eighth notes across two staves.

Musical notation for E^bmaj7 inversions, showing a scale of eighth notes across two staves.

7th Chord Worksheet
Major 7

A^bmaj7

Two staves of musical notation for the A^bmaj7 chord. The top staff shows a sequence of notes: C₂, B₁, C₂, D₂, E₂, F₂, G₂, A₂, B₂, C₃, D₃, E₃, F₃, G₃, A₃, B₃, C₄. The bottom staff shows a complex arpeggiated pattern of these notes.

A maj7

Two staves of musical notation for the A major 7th chord. The top staff shows a sequence of notes: C₂, D₂, E₂, F₂, G₂, A₂, B₂, C₃, D₃, E₃, F₃, G₃, A₃, B₃, C₄. The bottom staff shows a complex arpeggiated pattern of these notes.

B^bmaj7

Two staves of musical notation for the B^bmaj7 chord. The top staff shows a sequence of notes: C₂, D₂, E₂, F₂, G₂, A₂, B₂, C₃, D₃, E₃, F₃, G₃, A₃, B₃, C₄. The bottom staff shows a complex arpeggiated pattern of these notes.

B maj7

Two staves of musical notation for the B major 7th chord. The top staff shows a sequence of notes: C₂, D₂, E₂, F₂, G₂, A₂, B₂, C₃, D₃, E₃, F₃, G₃, A₃, B₃, C₄. The bottom staff shows a complex arpeggiated pattern of these notes.

Viola

7th Chord Worksheet

Minor 7

Christian Howes

In Extended Range:

Cmin7

Musical notation for Cmin7 in extended range, showing a sequence of notes across two staves.

Inversions:

Musical notation for Cmin7 inversions, showing a sequence of notes across two staves.

C#min7

Musical notation for C#min7 in extended range, showing a sequence of notes across two staves.

Musical notation for C#min7 inversions, showing a sequence of notes across two staves.

Dmin7

Musical notation for Dmin7 in extended range, showing a sequence of notes across two staves.

Musical notation for Dmin7 inversions, showing a sequence of notes across two staves.

E^bmin7

Musical notation for E^bmin7 in extended range, showing a sequence of notes across two staves.

Musical notation for E^bmin7 inversions, showing a sequence of notes across two staves.

7th Chord Worksheet
Minor 7

Emin7

Two staves of music for the Emin7 chord exercise. The top staff shows a sequence of notes: C2, D2, E2, F2, G2, A2, B2, C3, D3, E3, F3, G3, A3, B3, C4. The bottom staff shows a corresponding sequence of chords: C2, D2, E2, F2, G2, A2, B2, C3, D3, E3, F3, G3, A3, B3, C4.

Fmin7

Two staves of music for the Fmin7 chord exercise. The top staff shows a sequence of notes: C2, D2, E2, F2, G2, A2, B2, C3, D3, E3, F3, G3, A3, B3, C4. The bottom staff shows a corresponding sequence of chords: C2, D2, E2, F2, G2, A2, B2, C3, D3, E3, F3, G3, A3, B3, C4.

F#min7

Two staves of music for the F#min7 chord exercise. The top staff shows a sequence of notes: C2, D2, E2, F#2, G2, A2, B2, C3, D3, E3, F#3, G3, A3, B3, C4. The bottom staff shows a corresponding sequence of chords: C2, D2, E2, F#2, G2, A2, B2, C3, D3, E3, F#3, G3, A3, B3, C4.

Gmin7

Two staves of music for the Gmin7 chord exercise. The top staff shows a sequence of notes: C2, D2, E2, F2, G2, A2, B2, C3, D3, E3, F3, G3, A3, B3, C4. The bottom staff shows a corresponding sequence of chords: C2, D2, E2, F2, G2, A2, B2, C3, D3, E3, F3, G3, A3, B3, C4.

7th Chord Worksheet
Minor 7

G#min7

Two staves of musical notation for the G#min7 chord exercise. The top staff shows a sequence of notes: G#2, A2, B2, C#3, D3, E3, F#3, G#3, A3, B3, C#4, D4, E4, F#4, G#4, A4, B4, C#5, D5, E5, F#5, G#5, A5, B5, C#6, D6, E6, F#6, G#6, A6, B6, C#7, D7, E7, F#7, G#7, A7, B7, C#8, D8, E8, F#8, G#8, A8, B8, C#9, D9, E9, F#9, G#9, A9, B9, C#10, D10, E10, F#10, G#10, A10, B10, C#11, D11, E11, F#11, G#11, A11, B11, C#12, D12, E12, F#12, G#12, A12, B12, C#13, D13, E13, F#13, G#13, A13, B13, C#14, D14, E14, F#14, G#14, A14, B14, C#15, D15, E15, F#15, G#15, A15, B15, C#16, D16, E16, F#16, G#16, A16, B16, C#17, D17, E17, F#17, G#17, A17, B17, C#18, D18, E18, F#18, G#18, A18, B18, C#19, D19, E19, F#19, G#19, A19, B19, C#20, D20, E20, F#20, G#20, A20, B20, C#21, D21, E21, F#21, G#21, A21, B21, C#22, D22, E22, F#22, G#22, A22, B22, C#23, D23, E23, F#23, G#23, A23, B23, C#24, D24, E24, F#24, G#24, A24, B24, C#25, D25, E25, F#25, G#25, A25, B25, C#26, D26, E26, F#26, G#26, A26, B26, C#27, D27, E27, F#27, G#27, A27, B27, C#28, D28, E28, F#28, G#28, A28, B28, C#29, D29, E29, F#29, G#29, A29, B29, C#30, D30, E30, F#30, G#30, A30, B30, C#31, D31, E31, F#31, G#31, A31, B31, C#32, D32, E32, F#32, G#32, A32, B32, C#33, D33, E33, F#33, G#33, A33, B33, C#34, D34, E34, F#34, G#34, A34, B34, C#35, D35, E35, F#35, G#35, A35, B35, C#36, D36, E36, F#36, G#36, A36, B36, C#37, D37, E37, F#37, G#37, A37, B37, C#38, D38, E38, F#38, G#38, A38, B38, C#39, D39, E39, F#39, G#39, A39, B39, C#40, D40, E40, F#40, G#40, A40, B40, C#41, D41, E41, F#41, G#41, A41, B41, C#42, D42, E42, F#42, G#42, A42, B42, C#43, D43, E43, F#43, G#43, A43, B43, C#44, D44, E44, F#44, G#44, A44, B44, C#45, D45, E45, F#45, G#45, A45, B45, C#46, D46, E46, F#46, G#46, A46, B46, C#47, D47, E47, F#47, G#47, A47, B47, C#48, D48, E48, F#48, G#48, A48, B48, C#49, D49, E49, F#49, G#49, A49, B49, C#50, D50, E50, F#50, G#50, A50, B50, C#51, D51, E51, F#51, G#51, A51, B51, C#52, D52, E52, F#52, G#52, A52, B52, C#53, D53, E53, F#53, G#53, A53, B53, C#54, D54, E54, F#54, G#54, A54, B54, C#55, D55, E55, F#55, G#55, A55, B55, C#56, D56, E56, F#56, G#56, A56, B56, C#57, D57, E57, F#57, G#57, A57, B57, C#58, D58, E58, F#58, G#58, A58, B58, C#59, D59, E59, F#59, G#59, A59, B59, C#60, D60, E60, F#60, G#60, A60, B60, C#61, D61, E61, F#61, G#61, A61, B61, C#62, D62, E62, F#62, G#62, A62, B62, C#63, D63, E63, F#63, G#63, A63, B63, C#64, D64, E64, F#64, G#64, A64, B64, C#65, D65, E65, F#65, G#65, A65, B65, C#66, D66, E66, F#66, G#66, A66, B66, C#67, D67, E67, F#67, G#67, A67, B67, C#68, D68, E68, F#68, G#68, A68, B68, C#69, D69, E69, F#69, G#69, A69, B69, C#70, D70, E70, F#70, G#70, A70, B70, C#71, D71, E71, F#71, G#71, A71, B71, C#72, D72, E72, F#72, G#72, A72, B72, C#73, D73, E73, F#73, G#73, A73, B73, C#74, D74, E74, F#74, G#74, A74, B74, C#75, D75, E75, F#75, G#75, A75, B75, C#76, D76, E76, F#76, G#76, A76, B76, C#77, D77, E77, F#77, G#77, A77, B77, C#78, D78, E78, F#78, G#78, A78, B78, C#79, D79, E79, F#79, G#79, A79, B79, C#80, D80, E80, F#80, G#80, A80, B80, C#81, D81, E81, F#81, G#81, A81, B81, C#82, D82, E82, F#82, G#82, A82, B81, C#83, D83, E83, F#83, G#83, A83, B82, C#84, D84, E84, F#84, G#84, A84, B81, C#85, D85, E85, F#85, G#85, A85, B80, C#86, D86, E86, F#86, G#86, A86, B79, C#87, D87, E87, F#87, G#87, A87, B78, C#88, D88, E88, F#88, G#88, A88, B77, C#89, D89, E89, F#89, G#89, A89, B76, C#90, D90, E90, F#90, G#90, A90, B75, C#91, D91, E91, F#91, G#91, A91, B74, C#92, D92, E92, F#92, G#92, A92, B73, C#93, D93, E93, F#93, G#93, A93, B72, C#94, D94, E94, F#94, G#94, A94, B71, C#95, D95, E95, F#95, G#95, A95, B70, C#96, D96, E96, F#96, G#96, A96, B69, C#97, D97, E97, F#97, G#97, A97, B68, C#98, D98, E98, F#98, G#98, A98, B67, C#99, D99, E99, F#99, G#99, A99, B66, C#100, D100, E100, F#100, G#100, A100, B65, C#101, D101, E101, F#101, G#101, A101, B64, C#102, D102, E102, F#102, G#102, A102, B63, C#103, D103, E103, F#103, G#103, A103, B62, C#104, D104, E104, F#104, G#104, A104, B61, C#105, D105, E105, F#105, G#105, A105, B60, C#106, D106, E106, F#106, G#106, A106, B59, C#107, D107, E107, F#107, G#107, A107, B58, C#108, D108, E108, F#108, G#108, A108, B57, C#109, D109, E109, F#109, G#109, A109, B56, C#110, D110, E110, F#110, G#110, A110, B55, C#111, D111, E111, F#111, G#111, A111, B54, C#112, D112, E112, F#112, G#112, A112, B53, C#113, D113, E113, F#113, G#113, A113, B52, C#114, D114, E114, F#114, G#114, A114, B51, C#115, D115, E115, F#115, G#115, A115, B50, C#116, D116, E116, F#116, G#116, A116, B49, C#117, D117, E117, F#117, G#117, A117, B48, C#118, D118, E118, F#118, G#118, A118, B47, C#119, D119, E119, F#119, G#119, A119, B46, C#120, D120, E120, F#120, G#120, A120, B45, C#121, D121, E121, F#121, G#121, A121, B44, C#122, D122, E122, F#122, G#122, A122, B43, C#123, D123, E123, F#123, G#123, A123, B42, C#124, D124, E124, F#124, G#124, A124, B41, C#125, D125, E125, F#125, G#125, A125, B40, C#126, D126, E126, F#126, G#126, A126, B39, C#127, D127, E127, F#127, G#127, A127, B38, C#128, D128, E128, F#128, G#128, A128, B37, C#129, D129, E129, F#129, G#129, A129, B36, C#130, D130, E130, F#130, G#130, A130, B35, C#131, D131, E131, F#131, G#131, A131, B34, C#132, D132, E132, F#132, G#132, A132, B33, C#133, D133, E133, F#133, G#133, A133, B32, C#134, D134, E134, F#134, G#134, A134, B31, C#135, D135, E135, F#135, G#135, A135, B30, C#136, D136, E136, F#136, G#136, A136, B29, C#137, D137, E137, F#137, G#137, A137, B28, C#138, D138, E138, F#138, G#138, A138, B27, C#139, D139, E139, F#139, G#139, A139, B26, C#140, D140, E140, F#140, G#140, A140, B25, C#141, D141, E141, F#141, G#141, A141, B24, C#142, D142, E142, F#142, G#142, A142, B23, C#143, D143, E143, F#143, G#143, A143, B22, C#144, D144, E144, F#144, G#144, A144, B21, C#145, D145, E145, F#145, G#145, A145, B20, C#146, D146, E146, F#146, G#146, A146, B19, C#147, D147, E147, F#147, G#147, A147, B18, C#148, D148, E148, F#148, G#148, A148, B17, C#149, D149, E149, F#149, G#149, A149, B16, C#150, D150, E150, F#150, G#150, A150, B15, C#151, D151, E151, F#151, G#151, A151, B14, C#152, D152, E152, F#152, G#152, A152, B13, C#153, D153, E153, F#153, G#153, A153, B12, C#154, D154, E154, F#154, G#154, A154, B11, C#155, D155, E155, F#155, G#155, A155, B10, C#156, D156, E156, F#156, G#156, A156, B9, C#157, D157, E157, F#157, G#157, A157, B8, C#158, D158, E158, F#158, G#158, A158, B7, C#159, D159, E159, F#159, G#159, A159, B6, C#160, D160, E160, F#160, G#160, A160, B5, C#161, D161, E161, F#161, G#161, A161, B4, C#162, D162, E162, F#162, G#162, A162, B3, C#163, D163, E163, F#163, G#163, A163, B2, C#164, D164, E164, F#164, G#164, A164, B1, C#165, D165, E165, F#165, G#165, A165, B0, C#166, D166, E166, F#166, G#166, A166, B-1, C#167, D167, E167, F#167, G#167, A167, B-2, C#168, D168, E168, F#168, G#168, A168, B-3, C#169, D169, E169, F#169, G#169, A169, B-4, C#170, D170, E170, F#170, G#170, A170, B-5, C#171, D171, E171, F#171, G#171, A171, B-6, C#172, D172, E172, F#172, G#172, A172, B-7, C#173, D173, E173, F#173, G#173, A173, B-8, C#174, D174, E174, F#174, G#174, A174, B-9, C#175, D175, E175, F#175, G#175, A175, B-10, C#176, D176, E176, F#176, G#176, A176, B-11, C#177, D177, E177, F#177, G#177, A177, B-12, C#178, D178, E178, F#178, G#178, A178, B-13, C#179, D179, E179, F#179, G#179, A179, B-14, C#180, D180, E180, F#180, G#180, A180, B-15, C#181, D181, E181, F#181, G#181, A181, B-16, C#182, D182, E182, F#182, G#182, A182, B-17, C#183, D183, E183, F#183, G#183, A183, B-18, C#184, D184, E184, F#184, G#184, A184, B-19, C#185, D185, E185, F#185, G#185, A185, B-20, C#186, D186, E186, F#186, G#186, A186, B-21, C#187, D187, E187, F#187, G#187, A187, B-22, C#188, D188, E188, F#188, G#188, A188, B-23, C#189, D189, E189, F#189, G#189, A189, B-24, C#190, D190, E190, F#190, G#190, A190, B-25, C#191, D191, E191, F#191, G#191, A191, B-26, C#192, D192, E192, F#192, G#192, A192, B-27, C#193, D193, E193, F#193, G#193, A193, B-28, C#194, D194, E194, F#194, G#194, A194, B-29, C#195, D195, E195, F#195, G#195, A195, B-30, C#196, D196, E196, F#196, G#196, A196, B-31, C#197, D197, 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G#241, A241, B-76, C#242, D242, E242, F#242, G#242, A242, B-77, C#243, D243, E243, F#243, G#243, A243, B-78, C#244, D244, E244, F#244, G#244, A244, B-79, C#245, D245, E245, F#245, G#245, A245, B-80, C#246, D246, E246, F#246, G#246, A246, B-81, C#247, D247, E247, F#247, G#247, A247, B-82, C#248, D248, E248, F#248, G#248, A248, B-83, C#249, D249, E249, F#249, G#249, A249, B-84, C#250, D250, E250, F#250, G#250, A250, B-85, C#251, D251, E251, F#251, G#251, A251, B-86, C#252, D252, E252, F#252, G#252, A252, B-87, C#253, D253, E253, F#253, G#253, A253, B-88, C#254, D254, E254, F#254, G#254, A254, B-89, C#255, D255, E255, F#255, G#255, A255, B-90, C#256, D256, E256, F#256, G#256, A256, B-91, C#257, D257, E257, F#257, G#257, A257, B-92, C#258, D258, E258, F#258, G#258, A258, B-93, C#259, D259, E259, F#259, G#259, A259, B-94, C#260, D260, E260, F#260, G#260, A260, B-95, C#261, D261, E261, F#261, G#261, A261, B-96, C#262, D262, E262, F#262, G#262, A262, B-97, C#263, D263, E263, F#263, G#263, A263, B-98, C#264, D264, E264, F#264, G#264, A264, B-99, C#265, D265, E265, F#265, G#265, A265, B-100, C#266, D266, E266, F#266, G#266, A266, B-101, C#267, D267, E267, F#267, G#267, A267, B-102, C#268, D268, E268, F#268, G#268, A268, B-103, C#269, D269, E269, F#269, G#269, A269, B-104, C#270, D270, E270, F#270, G#270, A270, B-105, C#271, D271, E271, F#271, G#271, A271, B-106, C#272, D272, E272, F#272, G#272, A272, B-107, C#273, D273, E273, F#273, G#273, A273, B-108, C#274, D274, E274, F#274, G#274, A274, B-109, C#275, D275, E275, F#275, G#275, A275, B-110, C#276, D276, E276, F#276, G#276, A276, B-111, C#277, D277, E277, F#277, G#277, A277, B-112, C#278, D278, E278, F#278, G#278, A278, B-113, C#279, D279, E279, F#279, G#279, A279, B-114, C#280, D280, E280, F#280, G#280, A280, B-115, C#281, D281, E281, F#281, G#281, A281, B-116, C#282, D282, E282, F#282, G#282, A282, B-117, C#283, D283, E283, F#283, G#283, A283, B-118, C#284, D284, E284, F#284, G#284, A284, B-119, C#285, D285, E285, 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Viola

7th Chord Worksheet

Minor Major 7

Christian Howes

In Extended Range:

Cmin(maj7)

Musical notation for Cmin(maj7) in extended range, showing a sequence of notes on a single staff.

Inversions:

Musical notation for Cmin(maj7) inversions, showing a sequence of notes on a single staff.

D^bmin(maj7)

Musical notation for D^bmin(maj7) in extended range, showing a sequence of notes on a single staff.

Musical notation for D^bmin(maj7) inversions, showing a sequence of notes on a single staff.

Dmin(maj7)

Musical notation for Dmin(maj7) in extended range, showing a sequence of notes on a single staff.

Musical notation for Dmin(maj7) inversions, showing a sequence of notes on a single staff.

E^bmin(maj7)

Musical notation for E^bmin(maj7) in extended range, showing a sequence of notes on a single staff.

Musical notation for E^bmin(maj7) inversions, showing a sequence of notes on a single staff.

7th Chord Worksheet
Minor Major 7

Emin(maj7)

Musical notation for Emin(maj7) in bass clef. The first staff shows a sequence of notes: E2, G2, A2, B2, C3, D3, E3, F#3, G3, A3, B3, C4, D4, E4, F#4, G4, A4, B4, C5, D5, E5, F#5, G5, A5, B5, C6, D6, E6, F#6, G6, A6, B6, C7, D7, E7, F#7, G7, A7, B7, C8, D8, E8, F#8, G8, A8, B8, C9, D9, E9, F#9, G9, A9, B9, C10, D10, E10, F#10, G10, A10, B10, C11, D11, E11, F#11, G11, A11, B11, C12, D12, E12, F#12, G12, A12, B12, C13, D13, E13, F#13, G13, A13, B13, C14, D14, E14, F#14, G14, A14, B14, C15, D15, E15, F#15, G15, A15, B15, C16, D16, E16, F#16, G16, A16, B16, C17, D17, E17, F#17, G17, A17, B17, C18, D18, E18, F#18, G18, A18, B18, C19, D19, E19, F#19, G19, A19, B19, C20, D20, E20, F#20, G20, A20, B20, C21, D21, E21, F#21, G21, A21, B21, C22, D22, E22, F#22, G22, A22, B22, C23, D23, E23, F#23, G23, A23, B23, C24, D24, E24, F#24, G24, A24, B24, C25, D25, E25, F#25, G25, A25, B25, C26, D26, E26, F#26, G26, A26, B26, C27, D27, E27, F#27, G27, A27, B27, C28, D28, E28, F#28, G28, A28, B28, C29, D29, E29, F#29, G29, A29, B29, C30, D30, E30, 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7th Chord Worksheet
Minor Major 7

A^bmin(maj7)



A min(maj7)



B^bmin(maj7)



B min(maj7)



Viola

7th Chord Worksheet

Minor 7 -5

Christian Howes

In Extended Range:

Cmin7-5

Musical notation for Cmin7-5 in extended range, showing the chord structure across the staff.

Inversions:

Musical notation for Cmin7-5 inversions, showing the chord structure across the staff.

D#min7-5

Musical notation for D#min7-5 in extended range, showing the chord structure across the staff.

Musical notation for D#min7-5 inversions, showing the chord structure across the staff.

Dmin7-5

Musical notation for Dmin7-5 in extended range, showing the chord structure across the staff.

Musical notation for Dmin7-5 inversions, showing the chord structure across the staff.

D#min7-5

Musical notation for D#min7-5 in extended range, showing the chord structure across the staff.

Musical notation for D#min7-5 inversions, showing the chord structure across the staff.

7th Chord Worksheet
Minor 7 -5

G#min7-5

Musical notation for G#min7-5 chord exercise. The first staff shows a sequence of notes: G#2, A2, B2, C#3, D3, E3, F#3, G#3, A3, B3, C#4, D4, E4, F#4, G#4, A4, B4, C#5, D5, E5, F#5, G#5, A5, B5, C#6, D6, E6, F#6, G#6, A6, B6, C#7, D7, E7, F#7, G#7, A7, B7, C#8, D8, E8, F#8, G#8, A8, B8, C#9, D9, E9, F#9, G#9, A9, B9, C#10, D10, E10, F#10, G#10, A10, B10, C#11, D11, E11, F#11, G#11, A11, B11, C#12, D12, E12, F#12, G#12, A12, B12, C#13, D13, E13, F#13, G#13, A13, B13, C#14, D14, E14, F#14, G#14, A14, B14, C#15, D15, E15, F#15, G#15, A15, B15, C#16, D16, E16, F#16, G#16, A16, B16, C#17, D17, E17, F#17, G#17, A17, B17, C#18, D18, E18, F#18, G#18, A18, B18, C#19, D19, E19, F#19, G#19, A19, B19, C#20, D20, E20, F#20, G#20, A20, B20, C#21, D21, E21, F#21, G#21, A21, B21, C#22, D22, E22, F#22, G#22, A22, B22, C#23, D23, E23, F#23, G#23, A23, B23, C#24, D24, E24, F#24, G#24, A24, B24, C#25, D25, E25, F#25, G#25, A25, B25, C#26, D26, E26, F#26, G#26, A26, B26, C#27, D27, E27, F#27, G#27, A27, B27, C#28, D28, E28, F#28, G#28, A28, B28, C#29, 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E195, F#195, G#195, A195, B195, C#196, D196, E196, F#196, G#196, A196, B196, C#197, D197, E197, F#197, G#197, A197, B197, C#198, D198, E198, F#198, G#198, A198, B198, C#199, D199, E199, F#199, G#199, A199, B199, C#200, D200, E200, F#200, G#200, A200, B200, C#201, D201, E201, F#201, G#201, A201, B201, C#202, D202, E202, F#202, G#202, A202, B202, C#203, D203, E203, F#203, G#203, A203, B203, C#204, D204, E204, F#204, G#204, A204, B204, C#205, D205, E205, F#205, G#205, A205, B205, C#206, D206, E206, F#206, G#206, A206, B206, C#207, D207, E207, F#207, G#207, A207, B207, C#208, D208, E208, F#208, G#208, A208, B208, C#209, D209, E209, F#209, G#209, A209, B209, C#210, D210, E210, F#210, G#210, A210, B210, C#211, D211, E211, F#211, G#211, A211, B211, C#212, D212, E212, F#212, G#212, A212, B212, C#213, D213, E213, F#213, G#213, A213, B213, C#214, D214, E214, F#214, G#214, A214, B214, C#215, D215, E215, F#215, G#215, A215, B215, C#216, D216, E216, F#216, G#216, A216, B216, C#217, D217, E217, F#217, G#217, A217, B217, C#218, D218, E218, F#218, G#218, A218, B218, C#219, D219, E219, F#219, G#219, A219, B219, C#220, D220, E220, F#220, G#220, A220, B220, C#221, D221, E221, F#221, G#221, A221, B221, C#222, D222, E222, F#222, G#222, A222, B222, C#223, D223, E223, F#223, G#223, A223, B223, C#224, D224, E224, F#224, G#224, A224, B224, C#225, D225, E225, F#225, G#225, A225, B225, C#226, D226, E226, F#226, G#226, A226, B226, C#227, D227, E227, F#227, G#227, A227, B227, C#228, D228, E228, F#228, G#228, A228, B228, C#229, D229, E229, F#229, G#229, A229, B229, C#230, D230, E230, F#230, G#230, A230, B230, C#231, D231, E231, F#231, G#231, A231, B231, C#232, D232, E232, F#232, G#232, A232, B232, C#233, D233, E233, F#233, G#233, A233, B233, C#234, D234, E234, F#234, G#234, A234, B234, C#235, D235, E235, F#235, G#235, A235, B235, C#236, D236, E236, F#236, G#236, A236, B236, C#237, D237, E237, F#237, G#237, A237, B237, C#238, D238, E238, F#238, G#238, A238, B238, C#239, D239, E239, F#239, G#239, A239, B239, C#240, D240, E240, F#240, G#240, A240, B240, C#241, D241, E241, F#241, G#241, A241, B241, C#242, D242, E242, F#242, G#242, A242, B242, C#243, D243, E243, F#243, G#243, A243, B243, C#244, D244, E244, F#244, G#244, A244, B244, C#245, D245, E245, F#245, G#245, A245, B245, C#246, D246, E246, F#246, G#246, A246, B246, C#247, D247, E247, F#247, G#247, A247, B247, C#248, D248, E248, F#248, G#248, A248, B248, C#249, D249, E249, F#249, G#249, A249, B249, C#250, D250, E250, F#250, G#250, A250, B250, C#251, D251, E251, F#251, G#251, A251, B251, C#252, D252, E252, F#252, G#252, A252, B252, C#253, D253, E253, F#253, G#253, A253, B253, C#254, D254, E254, F#254, G#254, A254, B254, C#255, D255, E255, F#255, G#255, A255, B255, C#256, D256, E256, F#256, G#256, A256, B256, C#257, D257, E257, F#257, G#257, A257, B257, C#258, D258, E258, F#258, G#258, A258, B258, C#259, D259, E259, F#259, G#259, A259, B259, C#260, D260, E260, F#260, G#260, A260, B260, C#261, D261, E261, F#261, G#261, A261, B261, C#262, D262, E262, F#262, G#262, A262, B262, C#263, D263, E263, F#263, G#263, A263, B263, C#264, D264, E264, F#264, G#264, A264, B264, C#265, D265, E265, F#265, G#265, A265, B265, C#266, D266, E266, F#266, G#266, A266, B266, C#267, D267, E267, F#267, G#267, A267, B267, C#268, D268, E268, F#268, G#268, A268, B268, C#269, D269, E269, F#269, G#269, A269, B269, C#270, D270, E270, F#270, G#270, A270, B270, C#271, D271, E271, F#271, G#271, A271, B271, C#272, D272, E272, F#272, G#272, A272, B272, C#273, D273, E273, F#273, G#273, A273, B273, C#274, D274, E274, F#274, G#274, A274, B274, C#275, D275, E275, F#275, G#275, A275, B275, C#276, D276, E276, F#276, G#276, A276, B276, C#277, D277, E277, F#277, G#277, A277, B277, C#278, D278, E278, F#278, G#278, A278, B278, C#279, D279, E279, F#279, G#279, A279, B279, C#280, D280, E280, F#280, G#280, A280, B280, C#281, D281, E281, F#281, G#281, A281, B281, C#282, D282, E282, F#282, G#282, A282, B282, C#283, D283, E283, F#283, G#283, A283, B283, C#284, D284, E284, F#284, G#284, A284, B284, C#285, D285, E285, F#285, G#285, A285, B285, C#286, D286, E286, F#286, G#286, A286, B286, C#287, D287, E287, F#287, G#287, A287, B287, C#288, D288, E288, F#288, G#288, A288, B288, C#289, D289, E289, F#289, G#289, A289, B289, C#290, D290, E290, F#290, G#290, A290, B290, C#291, D291, E291, F#291, G#291, A291, B291, C#292, D292, E292, F#292, G#292, A292, B292, C#293, D293, E293, F#293, G#293, A293, B293, C#294, D294, E294, F#294, G#294, A294, B294, C#295, D295, E295, F#295, G#295, A295, B295, C#296, D296, E296, F#296, G#296, A296, B296, C#297, D297, E297, F#297, G#297, A297, B297, C#298, D298, E298, F#298, G#298, A298, B298, C#299, D299, E299, F#299, G#299, A299, B299, C#300, D300, E300, F#300, G#300, A300, B300, C#301, D301, E301, F#301, G#301, A301, B301, C#302, D302, E302, F#302, G#302, A302, B302, C#303, D303, E303, F#303, G#303, A303, B303, C#304, D304, E304, F#304, G#304, A304, B304, C#305, D305, E305, F#305, G#305, A305, B305, C#306, D306, E306, F#306, G#306, A306, B306, C#307, D307, E307, F#307, G#307, A307, B307, C#308, D308, E308, F#308, G#308, A308, B308, C#309, D309, E309, F#309, G#309, A309, B309, C#310, D310, E310, F#310, G#310, A310, B310, C#311, D311, E311, F#311, G#311, A311, B311, C#312, D312, E312, F#312, G#312, A312, B312, C#313, D313, E313, F#313, G#313, A313, B313, C#314, D314, E314, F#314, G#314, A314, B314, C#315, D315, E315, F#315, G#315, A315, B315, C#316, D316, E316, F#316, G#316, A316, B316, C#317, D317, E317, F#317, G#317, A317, B317, C#318, D318, E318, F#318, G#318, A318, B318, C#319, D319, E319, F#319, G#319, A319, B319, C#320, D320, E320, F#320, G#320, A320, B320, C#321, D321, E321, F#321, G#321, A321, B321, C#322, D322, E322, F#322, G#322, A322, B322, C#323, D323, E323, F#323, G#323, A323, B323, C#324, D324, E324, F#324, G#324, A324, B324, C#325, D325, E325, F#325, G#325, A325, B325, C#326, D326, E326, F#326, G#326, A326, B326, C#327, D327, E327, F#327, G#327, A327, B327, C#328, D328, E328, F#328, G#328, A328, B328, C#329, D329, E329, F#329, G#329, A329, B329, C#330, D330, E330, F#330, G#330, A330, B330, C#331, D331, E331, F#331, G#331, A331, B331, C#332, D332, E332, F#332, G#332, A332, B332, C#333, D333, E333, F#333, G#333, A333, B333, C#334, D334, E334, F#334, G#334, A334, B334, C#335, D335, E335, F#335, G#335, A335, B335, C#336, D336, E336, F#336, G#336, A336, B336, C#337, D337, E337, F#337, G#337, A337, B337, C#338, D338, E338, F#338, G#338, A338, B338, C#339, D339, E339, F#339, G#339, A339, B339, C#340, D340, E340, F#340, G#340, A340, B340, C#341, D341, E341, F#341, G#341, A341, B341, C#342, D342, E342, F#342, G#342, A342, B342, C#343, D343, E343, F#

Viola

7th Chord Worksheet

Fully Diminished

Christian Howes

In Extended Range:

C dim7

Musical notation for C dim7 in extended range, showing a sequence of notes on a single staff.

Inversions:

Musical notation for C dim7 inversions, showing a sequence of notes on a single staff.

C#dim7

Musical notation for C#dim7 in extended range, showing a sequence of notes on a single staff.

Musical notation for C#dim7 inversions, showing a sequence of notes on a single staff.

D dim7

Musical notation for D dim7 in extended range, showing a sequence of notes on a single staff.

Musical notation for D dim7 inversions, showing a sequence of notes on a single staff.

D#dim7

Musical notation for D#dim7 in extended range, showing a sequence of notes on a single staff.

Musical notation for D#dim7 inversions, showing a sequence of notes on a single staff.

7th Chord Worksheet
Fully Diminished

G[#]dim7

Musical notation for G[#]dim7. The first staff shows a whole-note scale: G[#]2, A2, B2, C[#]3, D3, E3, F[#]3, G[#]3. The second staff shows a descending eighth-note scale: G[#]3, F[#]3, E3, D3, C[#]3, B2, A2, G[#]2.

A dim7

Musical notation for A dim7. The first staff shows a whole-note scale: A2, B2, C^b3, D^b3, E^b3, F^b3, G^b3, A2. The second staff shows a descending eighth-note scale: A2, G^b2, F^b2, E^b2, D^b2, C^b2, B^b1, A2.

A[#]dim7

Musical notation for A[#]dim7. The first staff shows a whole-note scale: A^b2, B^b2, C^b3, D^b3, E^b3, F^b3, G^b3, A^b2. The second staff shows a descending eighth-note scale: A^b2, G^b2, F^b2, E^b2, D^b2, C^b2, B^b1, A^b2.

B dim7

Musical notation for B dim7. The first staff shows a whole-note scale: B2, C^b3, D^b3, E^b3, F^b3, G^b3, A^b3, B2. The second staff shows a descending eighth-note scale: B2, A^b2, G^b2, F^b2, E^b2, D^b2, C^b2, B2.

Viola

7th Chord Worksheet

Augmented Major 7

Christian Howes

In Extended Range:
Cmaj7(#5)

Musical notation for Cmaj7(#5) in extended range, showing a sequence of notes on a single staff.

Inversions:

Musical notation for Cmaj7(#5) inversions, showing a sequence of notes on a single staff.

D^bmaj7(#5)

Musical notation for D^bmaj7(#5) in extended range, showing a sequence of notes on a single staff.

Musical notation for D^bmaj7(#5) inversions, showing a sequence of notes on a single staff.

Dmaj7(#5)

Musical notation for Dmaj7(#5) in extended range, showing a sequence of notes on a single staff.

Musical notation for Dmaj7(#5) inversions, showing a sequence of notes on a single staff.

E^bmaj7(#5)

Musical notation for E^bmaj7(#5) in extended range, showing a sequence of notes on a single staff.

Musical notation for E^bmaj7(#5) inversions, showing a sequence of notes on a single staff.

7th Chord Worksheet
Augmented Major 7

E maj7(#5)

Two staves of music for E maj7(#5). The top staff shows a sequence of notes: E4, F#4, G4, A4, B4, C#5, D5, E5, D5, C#5, B4, A4, G4, F#4, E4. The bottom staff shows a complex arpeggiated pattern of these notes in a 16-measure sequence.

F maj7(#5)

Two staves of music for F maj7(#5). The top staff shows a sequence of notes: F4, G4, A4, B4, C5, D5, E5, F5, E5, D5, C5, B4, A4, G4, F4. The bottom staff shows a complex arpeggiated pattern of these notes in a 16-measure sequence.

G^b maj7(#5)

Two staves of music for G^b maj7(#5). The top staff shows a sequence of notes: G4, A4, B4, C5, D5, E5, F5, G5, F5, E5, D5, C5, B4, A4, G4. The bottom staff shows a complex arpeggiated pattern of these notes in a 16-measure sequence.

G maj7(#5)

Two staves of music for G maj7(#5). The top staff shows a sequence of notes: G4, A4, B4, C#5, D5, E5, F#5, G5, F#5, E5, D5, C#5, B4, A4, G4. The bottom staff shows a complex arpeggiated pattern of these notes in a 16-measure sequence.

7th Chord Worksheet
Augmented Major 7

A^bmaj7(#5)

Two staves of musical notation for the A^bmaj7(#5) chord. The top staff shows a sequence of notes: C₂, C₃, D₃, E₃, F₃, G₃, A₃, B₃, C₄, D₄, E₄, F₄, G₄, A₄, B₄, C₅. The bottom staff shows a complex arpeggiated pattern of these notes.

A maj7(#5)

Two staves of musical notation for the A maj7(#5) chord. The top staff shows a sequence of notes: C₂, C₃, D₃, E₃, F₃, G₃, A₃, B₃, C₄, D₄, E₄, F₄, G₄, A₄, B₄, C₅. The bottom staff shows a complex arpeggiated pattern of these notes.

B^bmaj7(#5)

Two staves of musical notation for the B^bmaj7(#5) chord. The top staff shows a sequence of notes: C₂, C₃, D₃, E₃, F₃, G₃, A₃, B₃, C₄, D₄, E₄, F₄, G₄, A₄, B₄, C₅. The bottom staff shows a complex arpeggiated pattern of these notes.

B maj7(#5)

Two staves of musical notation for the B maj7(#5) chord. The top staff shows a sequence of notes: C₂, C₃, D₃, E₃, F₃, G₃, A₃, B₃, C₄, D₄, E₄, F₄, G₄, A₄, B₄, C₅. The bottom staff shows a complex arpeggiated pattern of these notes.

Viola

7th Chord Worksheet

Augmented Dominant 7

Christian Howes

In Extended Range:

C^{aug7}



Inversions:



D^baug7



D^{aug7}



E^baug7



7th Chord Worksheet
Augmented Dominant 7

A^baug7

Two staves of music for the A^baug7 chord. The top staff shows a melodic line with notes: C₂, D₂, E₂, F₂, G₂, A₂, B₂, C₃, D₃, E₃, F₃, G₃, A₃, B₃, C₄. The bottom staff shows a bass line with notes: C₂, D₂, E₂, F₂, G₂, A₂, B₂, C₃, D₃, E₃, F₃, G₃, A₃, B₃, C₄.

A aug7

Two staves of music for the A aug7 chord. The top staff shows a melodic line with notes: C₂, D₂, E₂, F₂, G₂, A₂, B₂, C₃, D₃, E₃, F₃, G₃, A₃, B₃, C₄. The bottom staff shows a bass line with notes: C₂, D₂, E₂, F₂, G₂, A₂, B₂, C₃, D₃, E₃, F₃, G₃, A₃, B₃, C₄.

B^baug7

Two staves of music for the B^baug7 chord. The top staff shows a melodic line with notes: C₂, D₂, E₂, F₂, G₂, A₂, B₂, C₃, D₃, E₃, F₃, G₃, A₃, B₃, C₄. The bottom staff shows a bass line with notes: C₂, D₂, E₂, F₂, G₂, A₂, B₂, C₃, D₃, E₃, F₃, G₃, A₃, B₃, C₄.

B aug7

Two staves of music for the B aug7 chord. The top staff shows a melodic line with notes: C₂, D₂, E₂, F₂, G₂, A₂, B₂, C₃, D₃, E₃, F₃, G₃, A₃, B₃, C₄. The bottom staff shows a bass line with notes: C₂, D₂, E₂, F₂, G₂, A₂, B₂, C₃, D₃, E₃, F₃, G₃, A₃, B₃, C₄.

Additional Resources

If you enjoyed the exercises in this eBook, then we would like to suggest:

The Jazz Violin Harmony Handbook

Arguably one of Christian Howes' most popular resources, the 70-page **Violin Harmony Handbook** is packed with practical theory, practice exercises, conceptual, intuitive, and analytical tools as well as chord glossaries, and even solo violin transcriptions and charts. There is no guide more useful for anyone playing the jazz violin. You'll develop ear training skills to begin hearing the notes you want to play. You'll also learn how to make the most out of your practice sessions, and along with this eBook, you will begin to become harmonically proficient in all keys.

The Electric Violin Training Kit

Learn everything you need to know to plug in and start jamming on electric violin, viola, and cello! Everything from the basics to his personal secrets, Christian Howes shares how to begin to rock out on your violin. Learn what gear is a must have! From amplifiers to pickups, you will find out the advantages and disadvantages of all types of gear setups. Everyone from beginners to experienced violinists will benefit from this informative eBook.

Both eBooks are available at:

<http://christianhowes.com/creative-strings-shop/literature>

Creative Strings Academy

The Creative Strings Academy offers over 110 instructional videos that allow string players of all skill levels to learn at their own pace. Covering topics ranging from simple voice leading to implementing complex into your solos, the Academy will have you improvising from the very first day, even if you've never improvised before! Advanced players will benefit from the Academy as well, and will be able to recognize chord progressions and apply different scales to sound like a master improviser.

Try the Creative Strings Academy for one full month FREE:

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