

National Reso-Phonic Just Intonation Guitar Chord Atlas

by David B. Doty ©2006

This document contains fingerings for over seven hundred distinct chord voicings on the National Reso-Phonic Just Intonation Guitar. The choice of chords to include was based wholly on by my ideas as a composer and theorist of what constitutes a useful chord in Just Intonation. Another composer might have made different choices.

In most cases, I have chosen the “fullest” voicings available for a given chord type and fret position, that is, one that makes use of the greatest number of strings, on the assumption that if this voicing is playable, then any of its smaller subsets will also be so. Trying to identify and classify all of the smaller subsets would have resulted in an astronomical number of possibilities, and in this document never being finished.

Thanks to John Schneider for checking and correcting the fingerings. The occasional comments about playability are John’s.

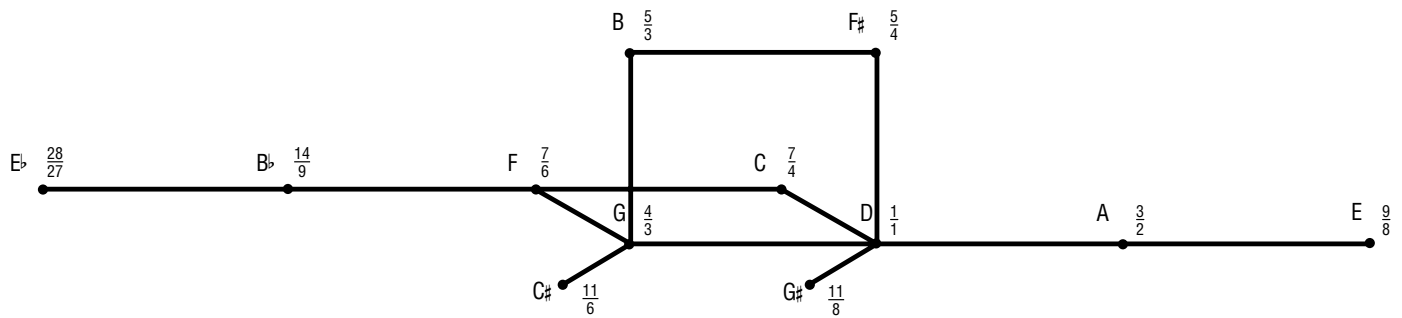
About the Tuning

The tuning/fretting of the National Reso-Phonic Just Intonation Guitar, devised by Lou Harrison and Bill Slye, comprises a twelve-tone-per-octave scale in 11-limit

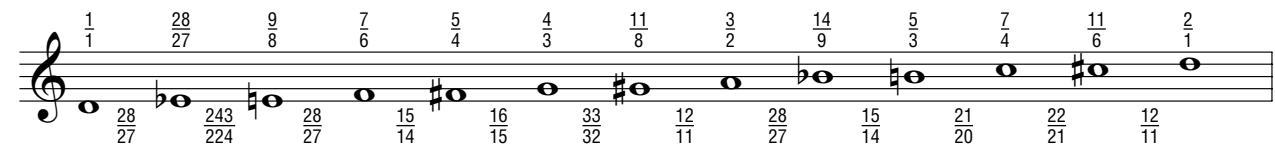
Just Intonation. In particular, it features two harmonic series segments (1–3–5–7–9–11)—what Harry Partch termed otonality hexads—on fundamentals separated by a perfect fifth (3:2), G and D. Two additional tones needed to complete a twelve-tone scale, E \flat and B \flat , are not part of either harmonic series, but were added by chaining fifths below F, the seventh harmonic of G. Although the harmonics of D are themselves harmonics of G (3–9–15–21–27–33), I have named D 1/1 in the diagram below because of its predominance in the DADGAD tuning of the open strings. (Those interested in a detailed explanation of the Just Intonation terminology used here should consult my *Just Intonation Primer*.)

Although the guitar’s scale has twelve tones per octave, it bears little resemblance to an equally tempered chromatic scale. Step sizes between adjacent tones vary from as little as 51 cents (slightly larger than a tempered quartertone) to as much as 151 cents (more than a tone and one-half), with many other sizes in between. The scale provides a great variety of modal possibilities, both historical and novel, but if one desires consonant harmony, one is limited mainly to structures centered on G and D.

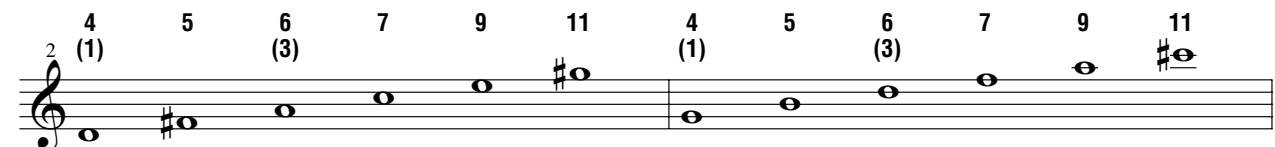
Tuning Schema



cents: 0 63 204 267 386 498 551 702 765 884 969 1049 1200

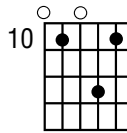
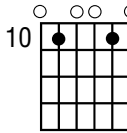
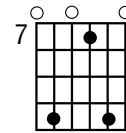
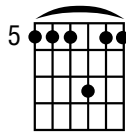
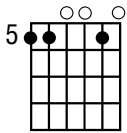
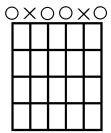


cents: 63 141 63 119 112 53 151 63 119 84 81 151

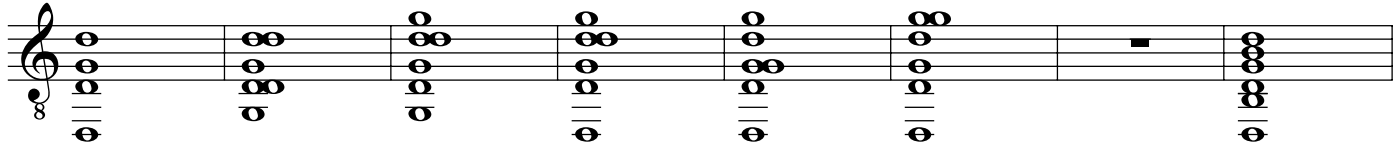
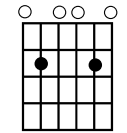


| | D₂ A₂ D₃ G₃ A₃ D₄ | | | | | | |
|-----------|--|---------------------------|----------|----------|---------------------------|----------|-----------|
| | 1 | 3 | 1 | 4 | 3 | 1 | |
| 1 | 28 27 | 14 9 | 28 27 | 11 8 | 14 9 | 28 27 | 1 |
| 2 | 9 8 | 5 3 | 9 8 | 3 2 | 5 3 | 9 8 | 2 |
| 3 | 7 6 | 7 4 | 7 6 | 14 9 | 7 4 | 7 6 | 3 |
| 4 | 5 4 | 11 6 | 5 4 | 5 3 | 11 6 | 5 4 | 4 |
| 5 | 4 3 | D₃ 1 | 4 3 | 7 4 | D₄ 1 | 4 3 | 5 |
| 6 | 11 8 | 28 27 | 11 8 | 11 6 | 28 27 | 11 8 | 6 |
| | A₂ E₃ A₃ D₄ E₄ A₄ | | | | | | |
| 7 | 3 2 | 9 8 | 3 2 | 1 1 | 9 8 | 3 2 | 7 |
| 8 | 14 9 | 7 6 | 14 9 | 28 27 | 7 6 | 14 9 | 8 |
| 9 | 5 3 | 5 4 | 5 3 | 9 8 | 5 4 | 5 3 | 9 |
| 10 | 7 4 | 4 3 | 7 4 | 7 6 | 4 3 | 7 4 | 10 |
| 11 | 11 6 | 11 8 | 11 6 | 5 4 | 11 8 | 11 6 | 11 |
| | D₃ A₃ D₄ G₄ A₄ D₅ | | | | | | |
| 12 | 1 1 | 3 2 | 1 1 | 4 3 | 3 2 | 1 1 | 12 |
| 13 | | | 28 27 | 11 8 | 14 9 | 28 27 | 13 |
| 14 | 9 8 | 5 3 | 9 8 | 3 2 | 5 3 | 9 8 | 14 |
| | 7 6 | 7 4 | 7 6 | 14 9 | 7 4 | 7 6 | 15 |
| | | | | 5 3 | 11 6 | 5 4 | 16 |
| | | | | 7 4 | 1 1 | 4 3 | 17 |
| | | | | | 28 27 | 11 8 | 18 |
| | | | | | 9 8 | 3 2 | 19 |
| | | | | | 7 6 | 14 9 | 20 |

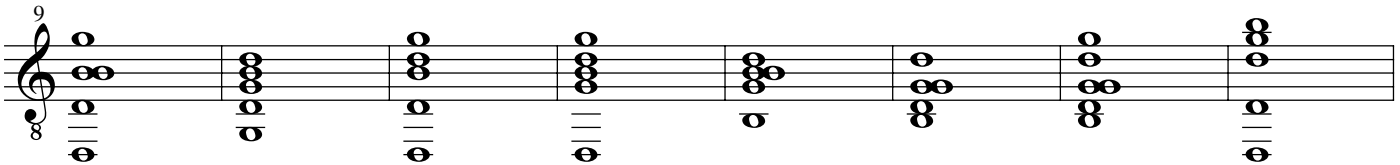
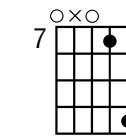
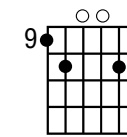
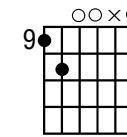
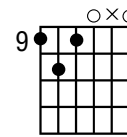
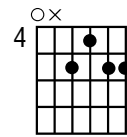
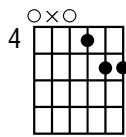
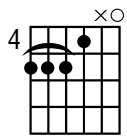
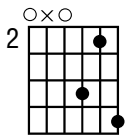
G Open



G Major



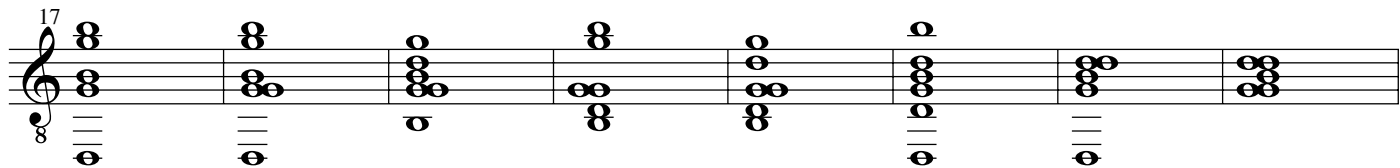
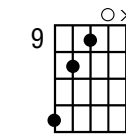
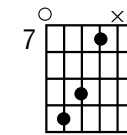
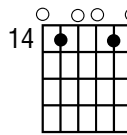
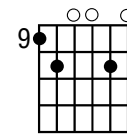
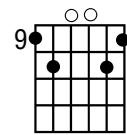
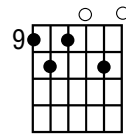
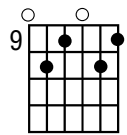
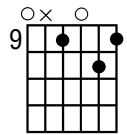
G Major (cont.)



G Major (cont.)

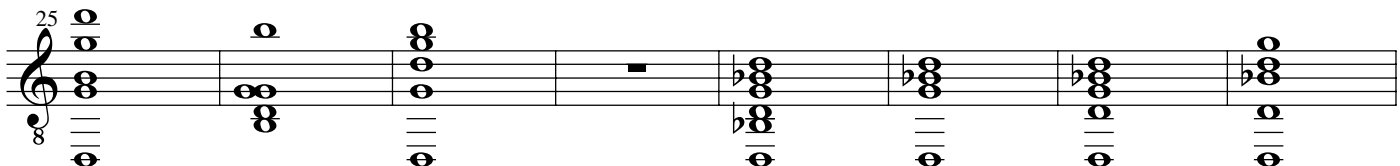
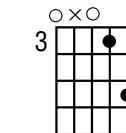
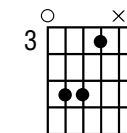
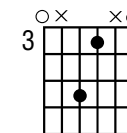
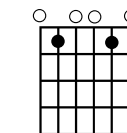
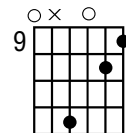
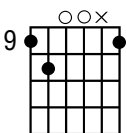
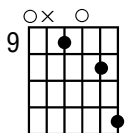
awkward

awkward



G Major (cont.)

G Subminor (3:7:9 of absent C 16/9)



G Subminor (cont.)

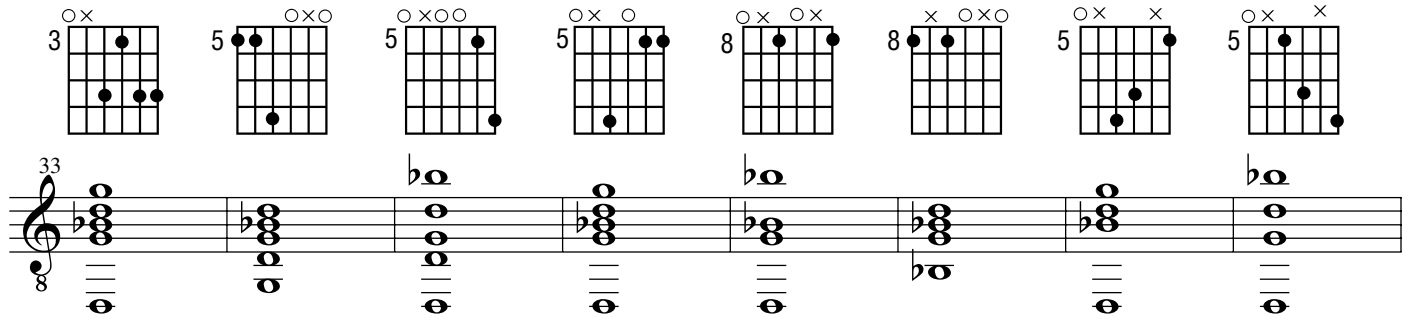


Diagram 1: 3rd fret, strings 2, 3, 4, 5, 6. Diagram 2: 5th fret, strings 1, 2, 3, 4, 5, 6. Diagram 3: 5th fret, strings 1, 2, 3, 4, 5, 6. Diagram 4: 5th fret, strings 1, 2, 3, 4, 5, 6. Diagram 5: 8th fret, strings 1, 2, 3, 4, 5, 6. Diagram 6: 8th fret, strings 1, 2, 3, 4, 5, 6. Diagram 7: 5th fret, strings 1, 2, 3, 4, 5, 6. Diagram 8: 5th fret, strings 1, 2, 3, 4, 5, 6. Musical notation: Treble clef, key signature of one flat, starting at measure 33. Chords are indicated by a flat symbol and a circled number (3, 5, 5, 5, 8, 8, 5, 5).

G Subminor (cont.)

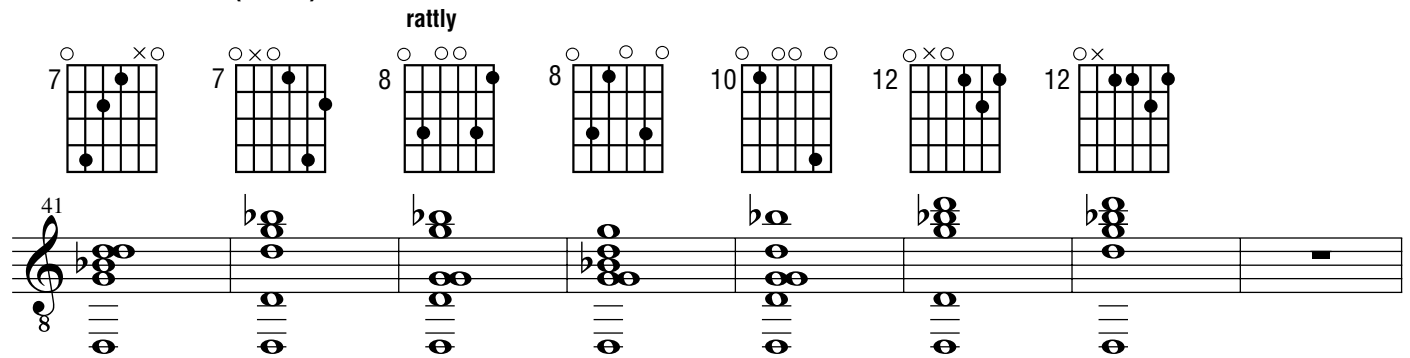


Diagram 1: 7th fret, strings 1, 2, 3, 4, 5, 6. Diagram 2: 7th fret, strings 1, 2, 3, 4, 5, 6. Diagram 3: 8th fret, strings 1, 2, 3, 4, 5, 6. Diagram 4: 8th fret, strings 1, 2, 3, 4, 5, 6. Diagram 5: 10th fret, strings 1, 2, 3, 4, 5, 6. Diagram 6: 12th fret, strings 1, 2, 3, 4, 5, 6. Diagram 7: 12th fret, strings 1, 2, 3, 4, 5, 6. Musical notation: Treble clef, key signature of one flat, starting at measure 41. Chords are indicated by a flat symbol and a circled number (7, 7, 8, 8, 10, 12, 12). The word "rattly" is written above the first two diagrams.

G Subminor 7th

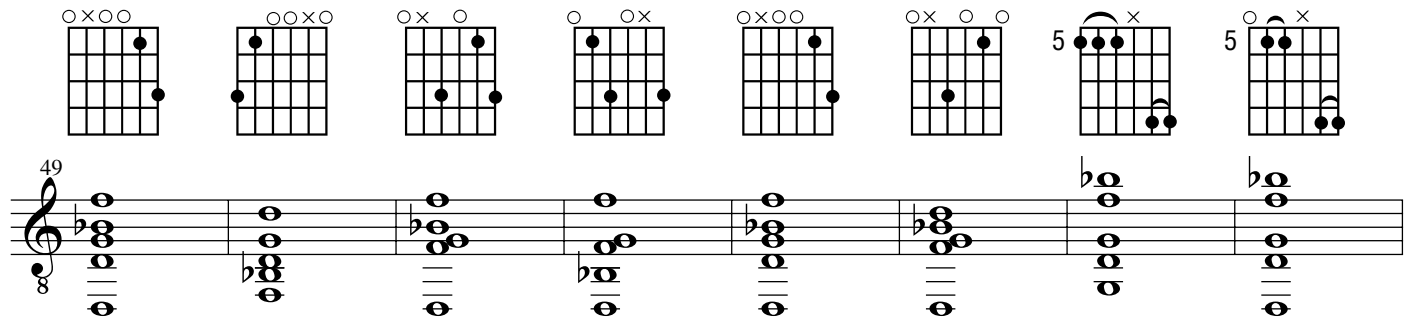


Diagram 1: 3rd fret, strings 1, 2, 3, 4, 5, 6. Diagram 2: 3rd fret, strings 1, 2, 3, 4, 5, 6. Diagram 3: 3rd fret, strings 1, 2, 3, 4, 5, 6. Diagram 4: 3rd fret, strings 1, 2, 3, 4, 5, 6. Diagram 5: 3rd fret, strings 1, 2, 3, 4, 5, 6. Diagram 6: 3rd fret, strings 1, 2, 3, 4, 5, 6. Diagram 7: 5th fret, strings 1, 2, 3, 4, 5, 6. Diagram 8: 5th fret, strings 1, 2, 3, 4, 5, 6. Musical notation: Treble clef, key signature of one flat, starting at measure 49. Chords are indicated by a flat symbol and a circled number (3, 3, 3, 3, 3, 3, 5, 5).

G Subminor 7th (cont.)

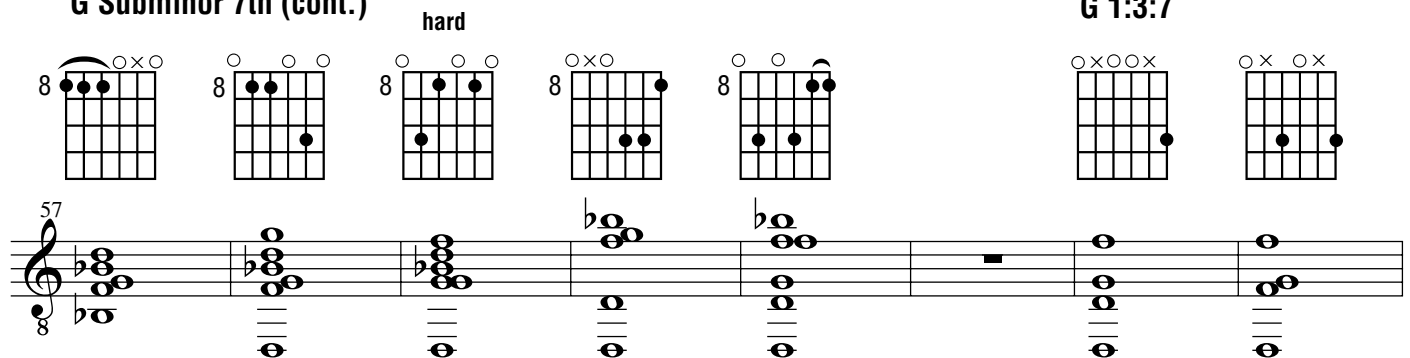
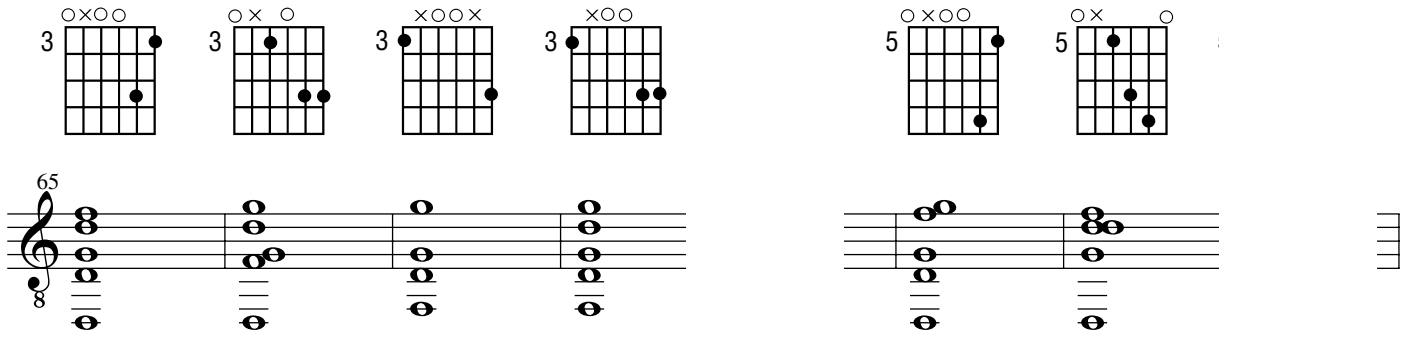


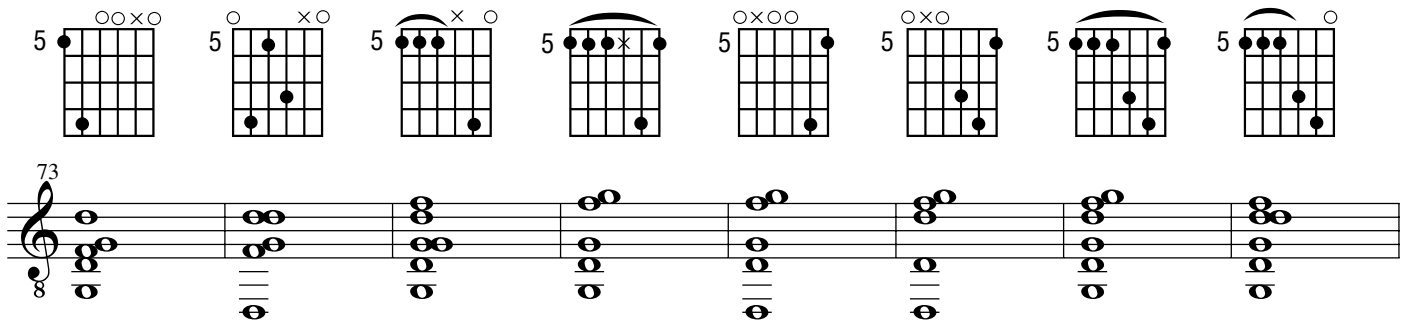
Diagram 1: 8th fret, strings 1, 2, 3, 4, 5, 6. Diagram 2: 8th fret, strings 1, 2, 3, 4, 5, 6. Diagram 3: 8th fret, strings 1, 2, 3, 4, 5, 6. Diagram 4: 8th fret, strings 1, 2, 3, 4, 5, 6. Diagram 5: 8th fret, strings 1, 2, 3, 4, 5, 6. Diagram 6: 8th fret, strings 1, 2, 3, 4, 5, 6. Diagram 7: 8th fret, strings 1, 2, 3, 4, 5, 6. Diagram 8: 8th fret, strings 1, 2, 3, 4, 5, 6. Musical notation: Treble clef, key signature of one flat, starting at measure 57. Chords are indicated by a flat symbol and a circled number (8, 8, 8, 8, 8, 8, 8, 8). The word "hard" is written above the first four diagrams. The chord G 1:3:7 is indicated above the last two diagrams.

G 1:3:7 (cont.)



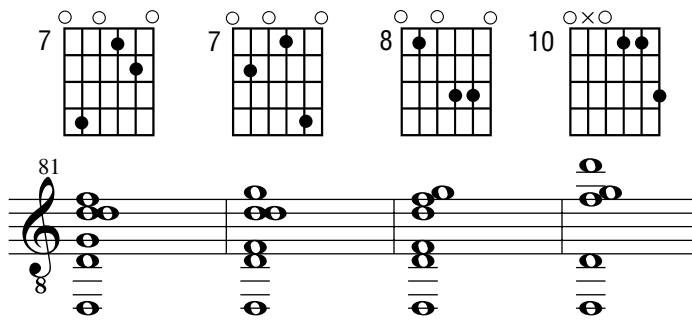
Four guitar chord diagrams for G 1:3:7, each with a '3' above it. The diagrams show fingerings on the 3rd, 4th, and 5th strings. The first diagram has open strings on the 1st and 2nd. The second has an open 1st string and a muted 2nd string. The third has muted 1st and 2nd strings. The fourth has a muted 1st string and an open 2nd string. To the right, two diagrams for G 1:3:7 with a '5' above them, showing fingerings on the 5th, 6th, and 7th strings. Below the diagrams is a musical staff with a treble clef and a '65' above the first measure. The staff contains a sequence of chords corresponding to the diagrams above.

G 1:3:7 (cont.)



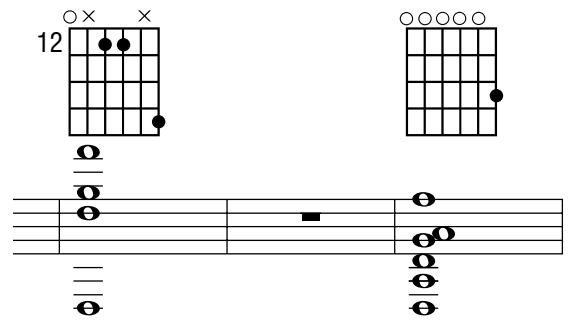
Eight guitar chord diagrams for G 1:3:7, each with a '5' above it. The diagrams show various fingerings on the 5th, 6th, and 7th strings, including some with muted strings. Below the diagrams is a musical staff with a treble clef and a '73' above the first measure. The staff contains a sequence of chords corresponding to the diagrams above.

G 1:3:7 (cont.)



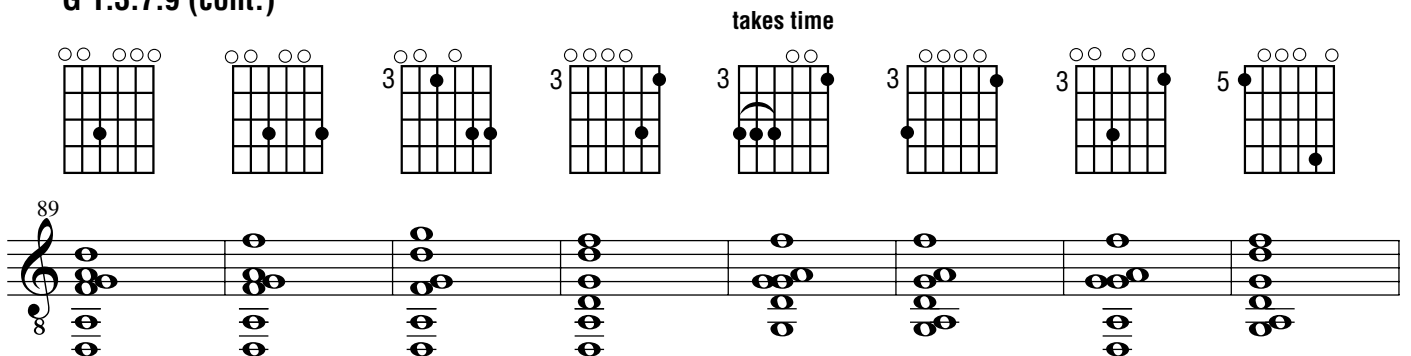
Four guitar chord diagrams for G 1:3:7, each with a number above it: '7', '7', '8', and '10'. The diagrams show fingerings on the 7th, 8th, 9th, and 10th frets. Below the diagrams is a musical staff with a treble clef and an '81' above the first measure. The staff contains a sequence of chords corresponding to the diagrams above.

G 1:3:7:9



Two guitar chord diagrams for G 1:3:7:9. The first diagram has a '12' above it and shows fingerings on the 12th fret. The second diagram has an open 1st string and a muted 2nd string. Below the diagrams is a musical staff with a treble clef. The staff contains a sequence of chords corresponding to the diagrams above.

G 1:3:7:9 (cont.)



Eight guitar chord diagrams for G 1:3:7:9. The first four diagrams have an empty space above them. The fifth diagram has '3' above it and a 'takes time' label above it. The sixth, seventh, and eighth diagrams have '3', '3', and '5' above them respectively. Below the diagrams is a musical staff with a treble clef and an '89' above the first measure. The staff contains a sequence of chords corresponding to the diagrams above.

G 1:3:7:9 (cont.)

takes time

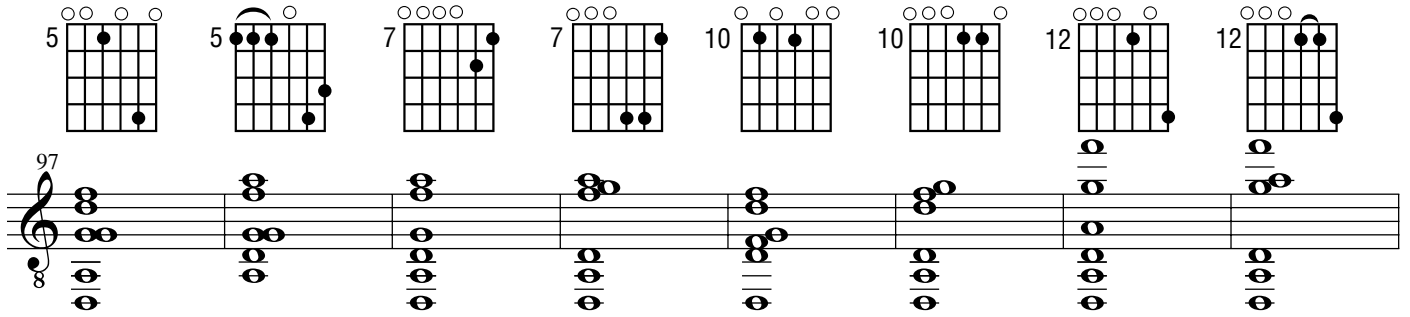


Diagram 1: 5 fingers, 1st-3rd strings, 5th fret. Diagram 2: 5 fingers, 1st-3rd strings, 5th fret, 4th string 7th fret. Diagram 3: 7 fingers, 1st-3rd strings, 7th fret. Diagram 4: 7 fingers, 1st-3rd strings, 7th fret, 4th string 9th fret. Diagram 5: 10 fingers, 1st-3rd strings, 10th fret. Diagram 6: 10 fingers, 1st-3rd strings, 10th fret, 4th string 12th fret. Diagram 7: 12 fingers, 1st-3rd strings, 12th fret. Diagram 8: 12 fingers, 1st-3rd strings, 12th fret, 4th string 14th fret. Staff notation shows the corresponding chords on a grand staff.

G7 (1:3:5:7)

hard

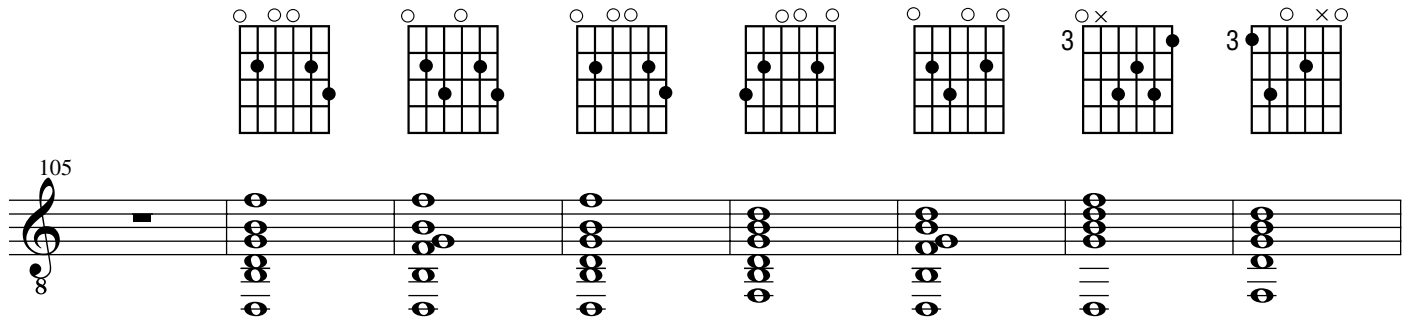


Diagram 1: 1st-3rd strings, 3rd fret. Diagram 2: 1st-3rd strings, 3rd fret, 4th string 5th fret. Diagram 3: 1st-3rd strings, 3rd fret, 4th string 7th fret. Diagram 4: 1st-3rd strings, 3rd fret, 4th string 5th fret, 5th string 7th fret. Diagram 5: 1st-3rd strings, 3rd fret, 4th string 7th fret, 5th string 5th fret. Diagram 6: 3 fingers, 1st-3rd strings, 3rd fret, 4th string 5th fret, 5th string 7th fret. Diagram 7: 3 fingers, 1st-3rd strings, 3rd fret, 4th string 5th fret, 5th string 7th fret. Staff notation shows the corresponding chords on a grand staff.

G7 (cont.)

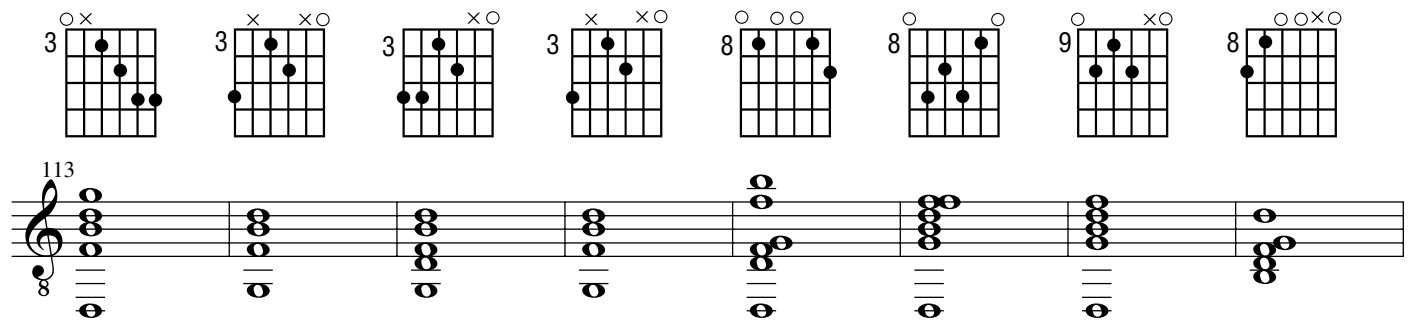


Diagram 1: 3 fingers, 1st-3rd strings, 3rd fret, 4th string 5th fret, 5th string 7th fret, 6th string muted. Diagram 2: 3 fingers, 1st-3rd strings, 3rd fret, 4th string 5th fret, 5th string 7th fret, 6th string muted. Diagram 3: 3 fingers, 1st-3rd strings, 3rd fret, 4th string 5th fret, 5th string 7th fret, 6th string muted. Diagram 4: 3 fingers, 1st-3rd strings, 3rd fret, 4th string 5th fret, 5th string 7th fret, 6th string muted. Diagram 5: 8 fingers, 1st-3rd strings, 8th fret. Diagram 6: 8 fingers, 1st-3rd strings, 8th fret, 4th string 10th fret. Diagram 7: 9 fingers, 1st-3rd strings, 9th fret, 4th string 11th fret. Diagram 8: 8 fingers, 1st-3rd strings, 8th fret, 4th string 10th fret, 5th string 12th fret. Staff notation shows the corresponding chords on a grand staff.

G7 (cont.)

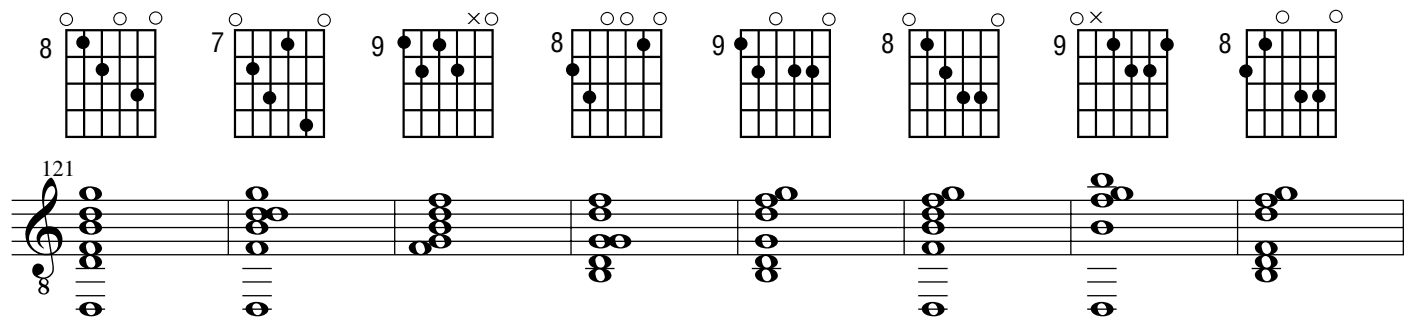


Diagram 1: 8 fingers, 1st-3rd strings, 8th fret. Diagram 2: 7 fingers, 1st-3rd strings, 7th fret. Diagram 3: 9 fingers, 1st-3rd strings, 9th fret, 4th string 11th fret, 5th string 12th fret. Diagram 4: 8 fingers, 1st-3rd strings, 8th fret, 4th string 10th fret. Diagram 5: 9 fingers, 1st-3rd strings, 9th fret, 4th string 11th fret. Diagram 6: 8 fingers, 1st-3rd strings, 8th fret, 4th string 10th fret. Diagram 7: 9 fingers, 1st-3rd strings, 9th fret, 4th string 11th fret, 5th string 12th fret, 6th string muted. Diagram 8: 8 fingers, 1st-3rd strings, 8th fret, 4th string 10th fret, 5th string 12th fret. Staff notation shows the corresponding chords on a grand staff.

G7 (cont.)

awkward

G9 (1:3:5:7:9)

Diagram 8: G7 chord, awkward. Diagram 9: G7 chord, awkward. Diagram 9: G7 chord, awkward with an 'x' over the 5th fret. Diagram 14: G7 chord, awkward. Diagram 1: G9 (1:3:5:7:9) chord. Diagram 2: G9 (1:3:5:7:9) chord. Diagram 3: G9 (1:3:5:7:9) chord. Musical notation for measures 129-136.

G9 (cont.)

Diagram 1: G9 (cont.) chord. Diagram 2: G9 (cont.) chord. Diagram 3: G9 (cont.) chord with a '3' over the 3rd fret. Diagram 4: G9 (cont.) chord with a '3' over the 3rd fret. Diagram 5: G9 (cont.) chord with a '3' over the 3rd fret. Diagram 6: G9 (cont.) chord with a '3' over the 3rd fret. Diagram 7: G9 (cont.) chord with a '3' over the 3rd fret. Diagram 8: G9 (cont.) chord with a '3' over the 3rd fret. Musical notation for measures 137-144.

G9 (cont.)

takes time

Diagram 9: G9 (cont.) chord. Diagram 9: G9 (cont.) chord. Diagram 7: G9 (cont.) chord with a '7' over the 7th fret. Diagram 7: G9 (cont.) chord with a '7' over the 7th fret. Diagram 7: G9 (cont.) chord with a '7' over the 7th fret. Diagram 8: G9 (cont.) chord with an '8' over the 8th fret. Diagram 7: G9 (cont.) chord with a '7' over the 7th fret. Diagram 8: G9 (cont.) chord with an '8' over the 8th fret. Musical notation for measures 145-152.

G9 (cont.)

Diagram 9: G9 (cont.) chord. Diagram 9: G9 (cont.) chord. Diagram 9: G9 (cont.) chord. Diagram 9: G9 (cont.) chord. Diagram 9: G9 (cont.) chord. Diagram 12: G9 (cont.) chord with a '12' over the 12th fret. Diagram 12: G9 (cont.) chord with a '12' over the 12th fret. Musical notation for measures 153-160.

G 1:3:9:11

Diagram 1: 4 fingers, fret 4, notes G4, B4, D5, F5.
Diagram 2: 4 fingers, fret 4, notes G4, B4, D5, F5.
Diagram 3: 4 fingers, fret 4, notes G4, B4, D5, F5.
Diagram 4: 5 fingers, fret 5, notes G4, B4, D5, F5.
Diagram 5: 5 fingers, fret 5, notes G4, B4, D5, F5.
Diagram 6: 5 fingers, fret 5, notes G4, B4, D5, F5.
Diagram 7: 5 fingers, fret 5, notes G4, B4, D5, F5.
Diagram 8: 7 fingers, fret 7, notes G4, B4, D5, F5.

Musical notation: Treble clef, key signature of one sharp (F#), 8/8 time signature. Measures 161-168 show the progression of chords with a melodic line in the treble clef.

G 1:3:9:11 (cont.)

Diagram 9: 10 fingers, fret 10, notes G4, B4, D5, F5.
Diagram 10: 10 fingers, fret 10, notes G4, B4, D5, F5.
Diagram 11: 10 fingers, fret 10, notes G4, B4, D5, F5.
Diagram 12: 10 fingers, fret 10, notes G4, B4, D5, F5.
Diagram 13: 11 fingers, fret 11, notes G4, B4, D5, F5.
Diagram 14: 10 fingers, fret 10, notes G4, B4, D5, F5.
Diagram 15: 10 fingers, fret 10, notes G4, B4, D5, F5.

Musical notation: Treble clef, key signature of one sharp (F#), 8/8 time signature. Measures 169-176 show the continuation of the chord progression.

G 1:3:7:9:11

Diagram 16: 3 fingers, fret 3, notes G4, B4, D5, F5.
Diagram 17: 3 fingers, fret 3, notes G4, B4, D5, F5.
Diagram 18: 3 fingers, fret 3, notes G4, B4, D5, F5.
Diagram 19: 3 fingers, fret 3, notes G4, B4, D5, F5.
Diagram 20: 3 fingers, fret 3, notes G4, B4, D5, F5.
Diagram 21: 3 fingers, fret 3, notes G4, B4, D5, F5.
Diagram 22: 3 fingers, fret 3, notes G4, B4, D5, F5.
Diagram 23: 5 fingers, fret 5, notes G4, B4, D5, F5.

Musical notation: Treble clef, key signature of one sharp (F#), 8/8 time signature. Measures 177-184 show the progression of chords.

G 1:3:7:9:11 (cont.)

Diagram 24: 5 fingers, fret 5, notes G4, B4, D5, F5.
Diagram 25: 8 fingers, fret 8, notes G4, B4, D5, F5.
Diagram 26: 10 fingers, fret 10, notes G4, B4, D5, F5.
Diagram 27: 10 fingers, fret 10, notes G4, B4, D5, F5.
Diagram 28: 10 fingers, fret 10, notes G4, B4, D5, F5.
Diagram 29: 10 fingers, fret 10, notes G4, B4, D5, F5.
Diagram 30: 10 fingers, fret 10, notes G4, B4, D5, F5.
Diagram 31: 10 fingers, fret 10, notes G4, B4, D5, F5.

Musical notation: Treble clef, key signature of one sharp (F#), 8/8 time signature. Measures 185-192 show the continuation of the chord progression.

G 1:3:7:9:11 (cont.)

B diminished (3:5:7 of G)

Diagram 10: G 1:3:7:9:11 (cont.)

Diagram 3: B diminished (3:5:7 of G)

Diagram 7: B diminished (3:5:7 of G)

Diagram 7: B diminished (3:5:7 of G)

Musical notation: Treble clef, key signature of one sharp (F#), starting at measure 193. The notation shows the fretting hand positions for the chords above.

B diminished (cont.)

Diagram 7: B diminished (cont.)

Diagram 9: B diminished (cont.)

Diagram 9: B diminished (cont.)

Diagram 8: B diminished (cont.)

Diagram 9: B diminished (cont.)

Diagram 10: B diminished (cont.)

Diagram 12: B diminished (cont.)

Labels: "takes time" above the 9th and 10th diagrams.

Musical notation: Treble clef, starting at measure 201. The notation shows the fretting hand positions for the chords above.

B half-diminished 7th (3:5:7:9 of G)

Diagram 3: B half-diminished 7th (3:5:7:9 of G)

Diagram 3: B half-diminished 7th (3:5:7:9 of G)

Diagram 7: B half-diminished 7th (3:5:7:9 of G)

Diagram 7: B half-diminished 7th (3:5:7:9 of G)

Diagram 9: B half-diminished 7th (3:5:7:9 of G)

Diagram 9: B half-diminished 7th (3:5:7:9 of G)

Musical notation: Treble clef, starting at measure 209. The notation shows the fretting hand positions for the chords above.

B half-diminished 7th (cont.)

G 3:9:11

Diagram 14: B half-diminished 7th (cont.)

Diagram 14: B half-diminished 7th (cont.)

Diagram 12: B half-diminished 7th (cont.)

Diagram 5: G 3:9:11

Diagram 5: G 3:9:11

Diagram 5: G 3:9:11

Diagram 5: G 3:9:11

Musical notation: Treble clef, starting at measure 217. The notation shows the fretting hand positions for the chords above.

G 3:9:11 (cont.)

Three guitar chord diagrams for G 3:9:11. The first is a 6th fret barre with open strings on 1, 2, and 3. The second and third are 11th fret barres with an 'x' on the 4th string. Below the diagrams is a staff with treble clef, key signature of one sharp (F#), and a common time signature. It shows three measures of chords, with a measure rest in the second measure. The first measure is marked with '225'.

G 7:9:11

Four guitar chord diagrams for G 7:9:11. The first is a 2nd fret barre with an 'x' on the 4th string and an open string on 3. The second is a 2nd fret barre with an 'x' on the 4th string and an open string on 2. The third and fourth are 2nd fret barres with 'x' on the 4th and 5th strings. The word 'tough' is written above the first diagram with an arrow pointing to the 3rd string. Below the diagrams is a staff with treble clef, key signature of one sharp (F#), and a common time signature. It shows four measures of chords, with a measure rest in the second measure.

G 7:9:11 (cont.)

Eight guitar chord diagrams for G 7:9:11 (cont.). The first three are 2nd fret barres with 'x' on the 4th string and open strings on 2, 3, and 4. The next three are 6th fret barres with 'x' on the 4th string and open strings on 2, 3, and 4. The last two are 10th fret barres with 'x' on the 4th string and open strings on 2, 3, and 4. Below the diagrams is a staff with treble clef, key signature of one sharp (F#), and a common time signature. It shows eight measures of chords, with a measure rest in the second measure. The first measure is marked with '233'.

G 7:9:11 (cont.)

G 3:7:9:11

Seven guitar chord diagrams. The first is a 14th fret barre with 'x' on the 4th string and an open string on 2. The next three are 2nd fret barres with open strings on 1, 2, and 3. The last two are 2nd fret barres with an 'x' on the 4th string and an open string on 2. The word 'tough' is written above the sixth diagram with an arrow pointing to the 3rd string. Below the diagrams is a staff with treble clef, key signature of one sharp (F#), and a common time signature. It shows seven measures of chords, with a measure rest in the second measure. The first measure is marked with '241'.

G 3:7:9:11 (cont.)

Eight guitar chord diagrams for G 3:7:9:11 (cont.). The first three are 6th fret barres with open strings on 1, 2, and 3. The next three are 10th fret barres with open strings on 1, 2, and 3. The last one is a 14th fret barre with open strings on 1, 2, and 3. Below the diagrams is a staff with treble clef, key signature of one sharp (F#), and a common time signature. It shows eight measures of chords, with a measure rest in the second measure. The first measure is marked with '249'.

B minor (3:5:15 of G)

awkward

Diagram 1: 2 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 2, 1, 2, 3, 4, 2.

Diagram 2: 2 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 2, 1, 2, 3, 4, 2.

Diagram 3: 2 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 2, 1, 2, 3, 4, 2.

Diagram 4: 2 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 2, 1, 2, 3, 4, 2.

Diagram 5: 2 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 2, 1, 2, 3, 4, 2.

Diagram 6: 4 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 4, 3, 2, 1, 2, 3.

Diagram 7: 4 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 4, 3, 2, 1, 2, 3.

Staff notation: Treble clef, key signature of two sharps (F# and C#). Measure 1: whole rest. Measure 2: B2. Measure 3: B2, D3, F#4, G4. Measure 4: B2, D3, F#4, G4. Measure 5: B2, D3, F#4, G4. Measure 6: B2, D3, F#4, G4. Measure 7: B2, D3, F#4, G4. Measure 8: B2, D3, F#4, G4.

B minor (cont.)

hard

Diagram 1: 4 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 4, 3, 2, 1, 2, 3.

Diagram 2: 4 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 4, 3, 2, 1, 2, 3.

Diagram 3: 7 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 7, 6, 5, 4, 3, 2.

Diagram 4: 9 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 9, 8, 7, 6, 5, 4.

Diagram 5: 7 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 7, 6, 5, 4, 3, 2.

Diagram 6: 7 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 7, 6, 5, 4, 3, 2.

Diagram 7: 9 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 9, 8, 7, 6, 5, 4.

Diagram 8: 9 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 9, 8, 7, 6, 5, 4.

Staff notation: Treble clef, key signature of two sharps (F# and C#). Measure 1: B2, D3, F#4, G4. Measure 2: B2, D3, F#4, G4. Measure 3: B2, D3, F#4, G4. Measure 4: B2, D3, F#4, G4. Measure 5: B2, D3, F#4, G4. Measure 6: B2, D3, F#4, G4. Measure 7: B2, D3, F#4, G4. Measure 8: B2, D3, F#4, G4.

B minor (cont.)

G Major 7th (1:3:5:15)
takes time

Diagram 1: 9 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 9, 8, 7, 6, 5, 4.

Diagram 2: 9 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 9, 8, 7, 6, 5, 4.

Diagram 3: 9 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 9, 8, 7, 6, 5, 4.

Diagram 4: 11 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 11, 10, 9, 8, 7, 6.

Diagram 5: 2 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 2, 1, 2, 3, 4, 2.

Diagram 6: 2 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 2, 1, 2, 3, 4, 2.

Diagram 7: 4 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 4, 3, 2, 1, 2, 3.

Staff notation: Treble clef, key signature of two sharps (F# and C#). Measure 1: B2, D3, F#4, G4. Measure 2: B2, D3, F#4, G4. Measure 3: B2, D3, F#4, G4. Measure 4: B2, D3, F#4, G4. Measure 5: whole rest. Measure 6: B2, D3, F#4, G4. Measure 7: B2, D3, F#4, G4. Measure 8: B2, D3, F#4, G4.

G Major 7th (cont.)

Diagram 1: 4 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 4, 3, 2, 1, 2, 3.

Diagram 2: 4 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 4, 3, 2, 1, 2, 3.

Diagram 3: 4 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 4, 3, 2, 1, 2, 3.

Diagram 4: 4 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 4, 3, 2, 1, 2, 3.

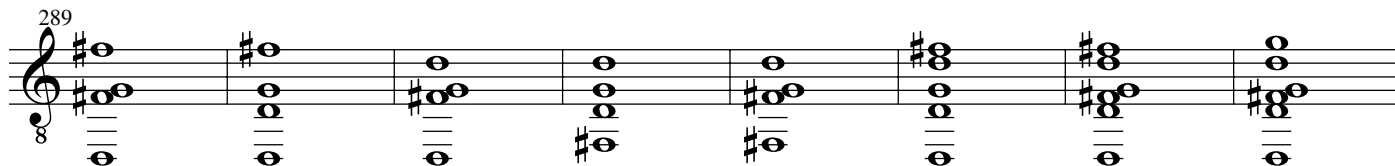
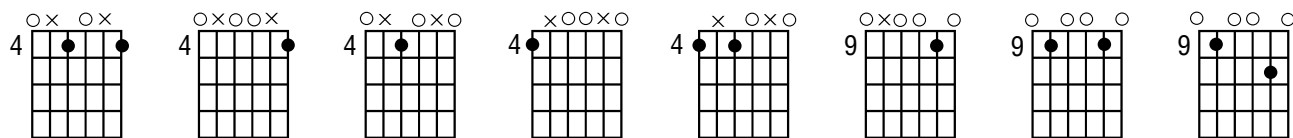
Diagram 5: 9 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 9, 8, 7, 6, 5, 4.

Diagram 6: 9 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 9, 8, 7, 6, 5, 4.

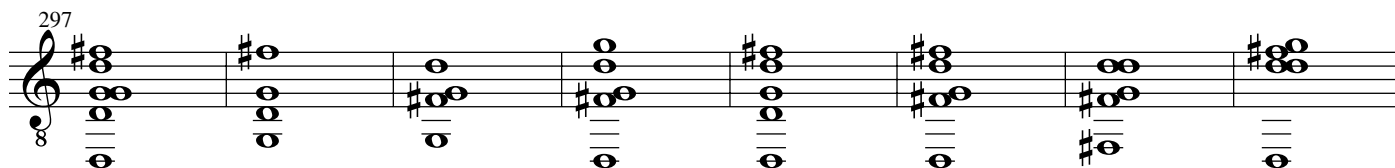
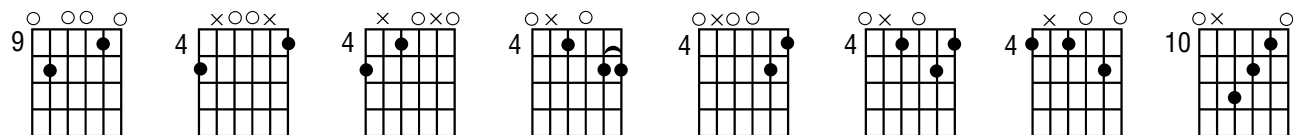
Diagram 7: 9 fingers, notes B2, D3, F4, G4, B4, D5. Fingering: 9, 8, 7, 6, 5, 4.

Staff notation: Treble clef, key signature of two sharps (F# and C#). Measure 1: B2, D3, F#4, G4. Measure 2: B2, D3, F#4, G4. Measure 3: B2, D3, F#4, G4. Measure 4: B2, D3, F#4, G4. Measure 5: B2, D3, F#4, G4. Measure 6: B2, D3, F#4, G4. Measure 7: B2, D3, F#4, G4. Measure 8: whole rest.

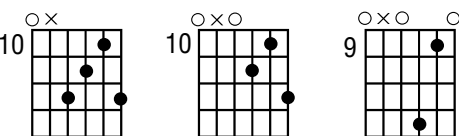
G 1:3:15



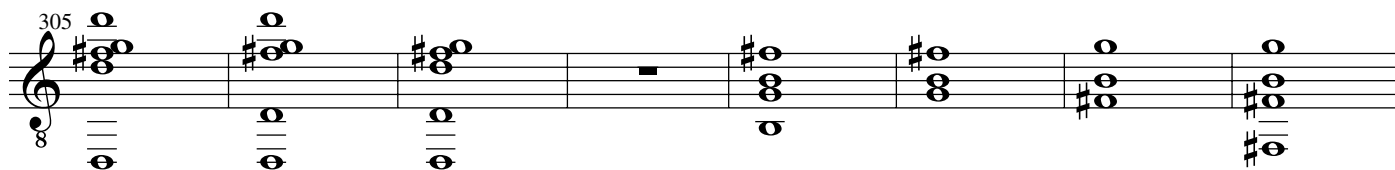
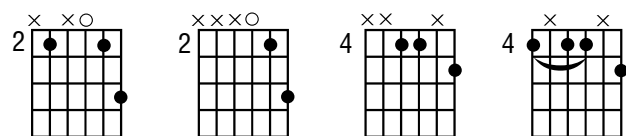
G 1:3:15 (cont.)



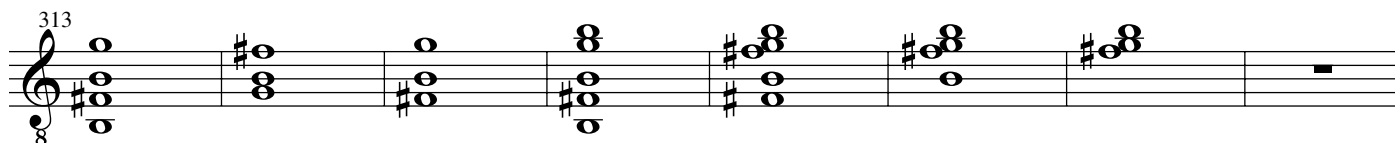
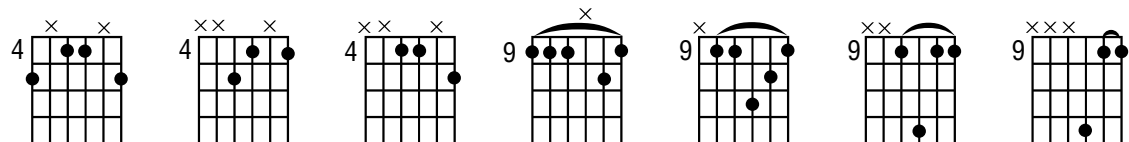
G 1:3:15 (cont.)



G 1:5:15



G 1:5:15 (cont.)



B minor 7th (3:5:9:15 of G)

Diagram 1: 0 0 0 x (strings 1-4)
 Diagram 2: 0 0 0 (strings 1-3)
 Diagram 3: 0 0 0 (strings 1-3)
 Diagram 4: 0 0 0 (strings 1-3)
 Diagram 5: 0 0 0 (strings 1-3)
 Diagram 6: 4 0 0 0 (strings 2-5)
 Diagram 7: 4 0 0 0 (strings 2-5)
 Diagram 8: 4 0 0 0 (strings 2-5)

Staff notation: Treble clef, key signature of one sharp (F#). Measure 321 starts with a whole rest. The following seven measures show the progression of chords with notes on the staff and fingerings below.

B minor 7th (cont.)

Diagram 1: 4 0 0 0 (strings 2-5)
 Diagram 2: 7 0 0 (strings 1-3)
 Diagram 3: 7 0 0 x 0 0 (strings 1-6)
 Diagram 4: 7 0 0 0 (strings 1-3)
 Diagram 5: 7 0 0 0 (strings 1-3)
 Diagram 6: 9 0 0 x (strings 1-3)
 Diagram 7: 9 0 0 0 (strings 1-3)
 Diagram 8: 0 x 0 0 (strings 1-3)

Staff notation: Treble clef, key signature of one sharp (F#). Measure 329 starts with a whole rest. The following seven measures show the progression of chords with notes on the staff and fingerings below.

G Major 9th (1:3:5:9:15)

Diagram 1: 0 0 0 0 (strings 1-4)
 Diagram 2: 0 0 0 0 (strings 1-4)
 Diagram 3: 0 0 0 0 (strings 1-4)
 Diagram 4: 4 0 0 0 (strings 2-5)
 Diagram 5: 4 0 0 0 (strings 2-5)
 Diagram 6: 4 0 0 0 (strings 2-5)
 Diagram 7: 4 0 0 0 (strings 2-5)

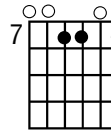
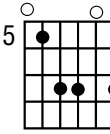
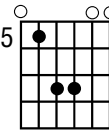
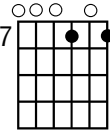
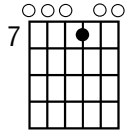
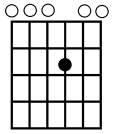
Staff notation: Treble clef, key signature of one sharp (F#). Measure 337 starts with a whole rest. The following seven measures show the progression of chords with notes on the staff and fingerings below.

G Major 9th (cont.)

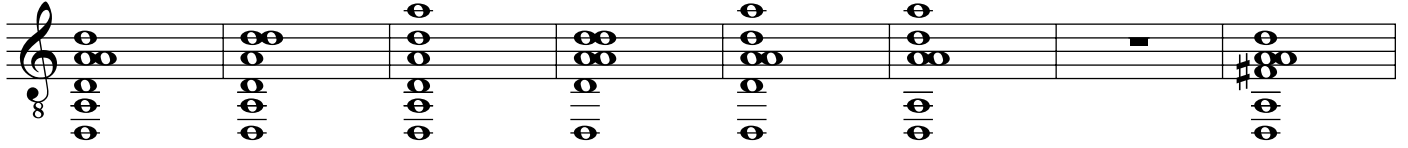
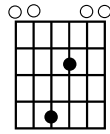
Diagram 1: 4 0 0 0 (strings 2-5)
 Diagram 2: 7 0 0 0 (strings 1-3)
 Diagram 3: 7 0 0 0 (strings 1-3)
 Diagram 4: 9 0 0 0 (strings 1-3)
 Diagram 5: 9 0 0 0 (strings 1-3)
 Diagram 6: 9 0 0 0 (strings 1-3)
 Diagram 7: 9 0 0 0 (strings 1-3)
 Diagram 8: 9 0 0 0 (strings 1-3)

Staff notation: Treble clef, key signature of one sharp (F#). Measure 345 starts with a whole rest. The following seven measures show the progression of chords with notes on the staff and fingerings below.

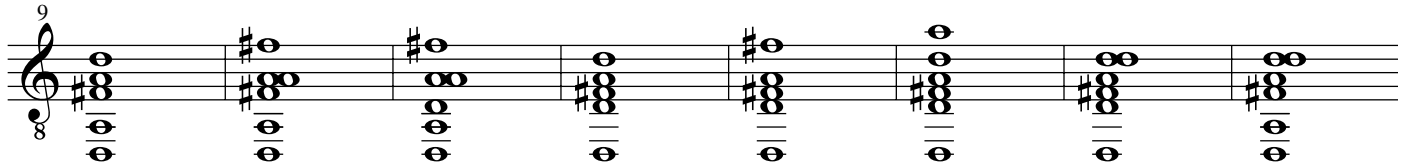
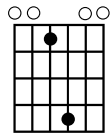
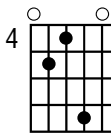
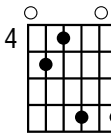
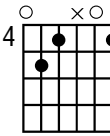
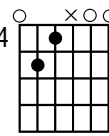
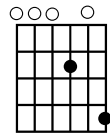
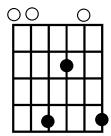
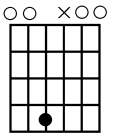
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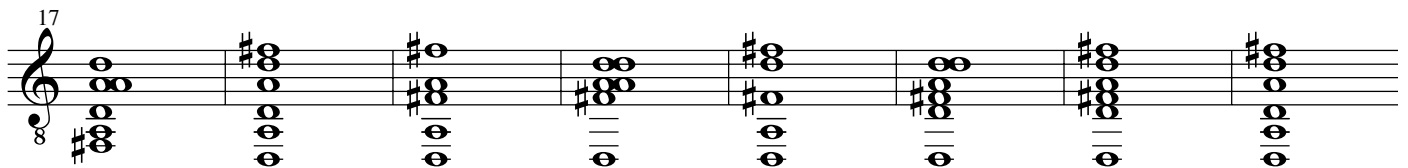
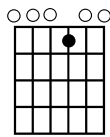
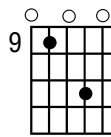
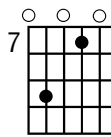
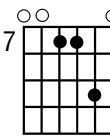
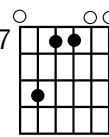
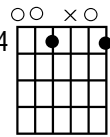
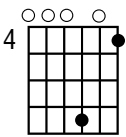
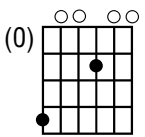
D Major



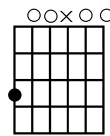
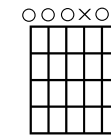
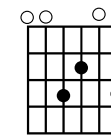
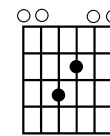
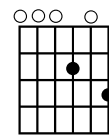
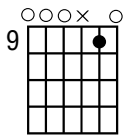
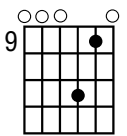
D Major (cont.)



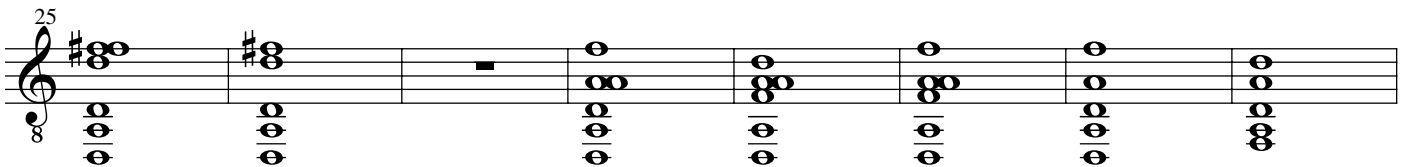
D Major (cont.)



D Major (cont.)



D subminor (3:7:9 of G)



D subminor (cont.)

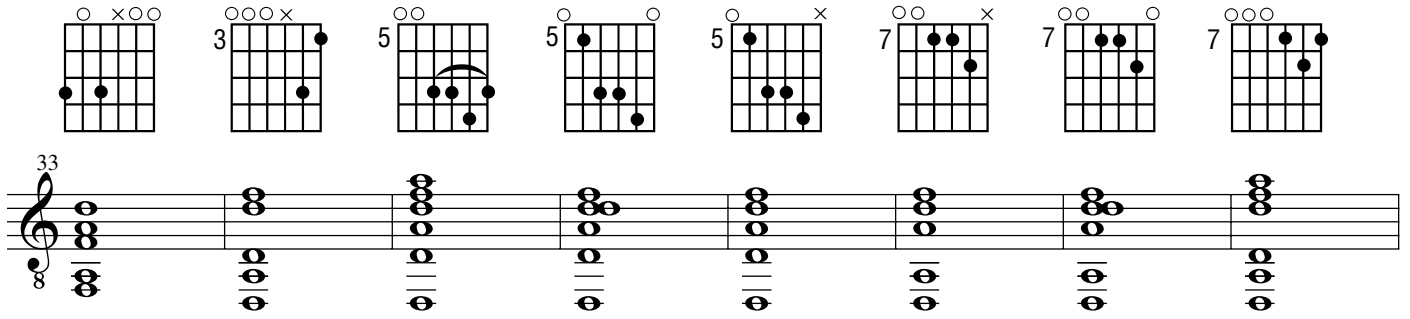


Diagram 1: 3rd fret, 1st string open, 2nd string 3rd fret, 3rd string 2nd fret, 4th string 2nd fret, 5th string 2nd fret, 6th string open. Diagram 2: 3rd fret, 1st string open, 2nd string 3rd fret, 3rd string 2nd fret, 4th string 2nd fret, 5th string 2nd fret, 6th string 3rd fret. Diagram 3: 5th fret, 1st string open, 2nd string 5th fret, 3rd string 4th fret, 4th string 4th fret, 5th string 4th fret, 6th string open. Diagram 4: 5th fret, 1st string open, 2nd string 5th fret, 3rd string 4th fret, 4th string 4th fret, 5th string 4th fret, 6th string 5th fret. Diagram 5: 5th fret, 1st string open, 2nd string 5th fret, 3rd string 4th fret, 4th string 4th fret, 5th string 4th fret, 6th string 5th fret. Diagram 6: 7th fret, 1st string open, 2nd string 7th fret, 3rd string 6th fret, 4th string 6th fret, 5th string 6th fret, 6th string open. Diagram 7: 7th fret, 1st string open, 2nd string 7th fret, 3rd string 6th fret, 4th string 6th fret, 5th string 6th fret, 6th string 7th fret. Diagram 8: 7th fret, 1st string open, 2nd string 7th fret, 3rd string 6th fret, 4th string 6th fret, 5th string 6th fret, 6th string 7th fret.

Musical notation: Treble clef, 33 measures. Chords are played in pairs on a 4/4 beat. The first pair is measures 33-34, the second pair is 35-36, the third pair is 37-38, the fourth pair is 39-40, the fifth pair is 41-42, the sixth pair is 43-44, the seventh pair is 45-46, and the eighth pair is 47-48.

D subminor (cont.)

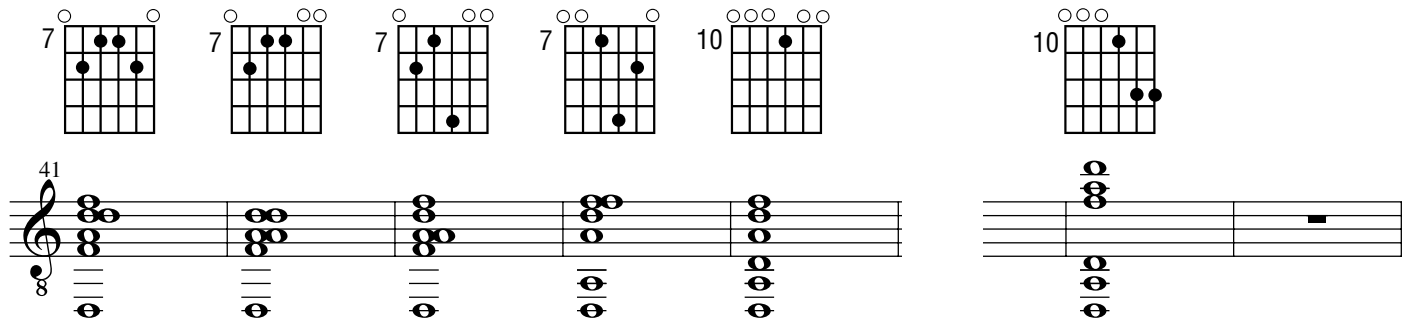


Diagram 9: 7th fret, 1st string open, 2nd string 7th fret, 3rd string 6th fret, 4th string 6th fret, 5th string 6th fret, 6th string open. Diagram 10: 7th fret, 1st string open, 2nd string 7th fret, 3rd string 6th fret, 4th string 6th fret, 5th string 6th fret, 6th string 7th fret. Diagram 11: 7th fret, 1st string open, 2nd string 7th fret, 3rd string 6th fret, 4th string 6th fret, 5th string 6th fret, 6th string 7th fret. Diagram 12: 7th fret, 1st string open, 2nd string 7th fret, 3rd string 6th fret, 4th string 6th fret, 5th string 6th fret, 6th string 7th fret. Diagram 13: 10th fret, 1st string open, 2nd string 10th fret, 3rd string 9th fret, 4th string 9th fret, 5th string 9th fret, 6th string open. Diagram 14: 10th fret, 1st string open, 2nd string 10th fret, 3rd string 9th fret, 4th string 9th fret, 5th string 9th fret, 6th string 10th fret.

Musical notation: Treble clef, 41 measures. Chords are played in pairs on a 4/4 beat. The first pair is measures 41-42, the second pair is 43-44, the third pair is 45-46, the fourth pair is 47-48, the fifth pair is 49-50, the sixth pair is 51-52, the seventh pair is 53-54, and the eighth pair is 55-56.

D subminor 7th

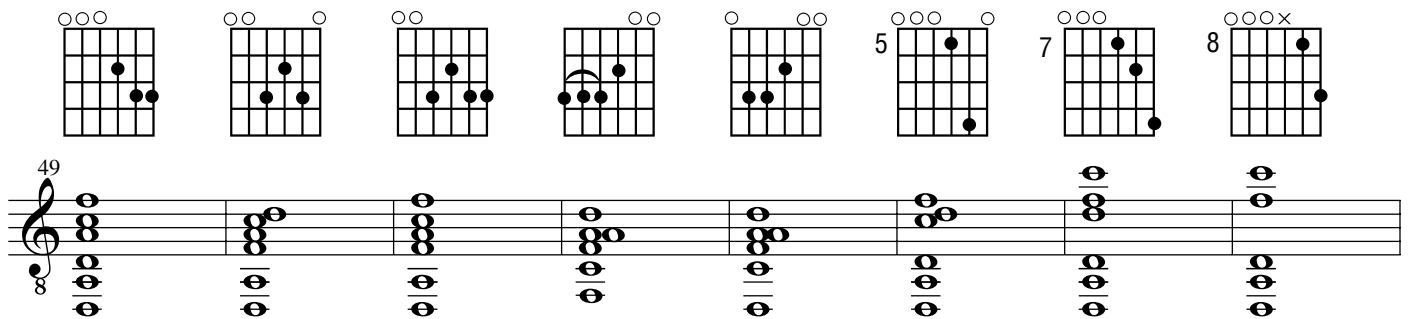


Diagram 15: 1st string open, 2nd string 2nd fret, 3rd string 2nd fret, 4th string 2nd fret, 5th string 2nd fret, 6th string open. Diagram 16: 1st string open, 2nd string 2nd fret, 3rd string 2nd fret, 4th string 2nd fret, 5th string 2nd fret, 6th string 3rd fret. Diagram 17: 1st string open, 2nd string 2nd fret, 3rd string 2nd fret, 4th string 2nd fret, 5th string 2nd fret, 6th string 3rd fret. Diagram 18: 1st string open, 2nd string 2nd fret, 3rd string 2nd fret, 4th string 2nd fret, 5th string 2nd fret, 6th string 3rd fret. Diagram 19: 1st string open, 2nd string 2nd fret, 3rd string 2nd fret, 4th string 2nd fret, 5th string 2nd fret, 6th string 3rd fret. Diagram 20: 5th fret, 1st string open, 2nd string 5th fret, 3rd string 4th fret, 4th string 4th fret, 5th string 4th fret, 6th string open. Diagram 21: 7th fret, 1st string open, 2nd string 7th fret, 3rd string 6th fret, 4th string 6th fret, 5th string 6th fret, 6th string open. Diagram 22: 8th fret, 1st string open, 2nd string 8th fret, 3rd string 7th fret, 4th string 7th fret, 5th string 7th fret, 6th string open.

Musical notation: Treble clef, 49 measures. Chords are played in pairs on a 4/4 beat. The first pair is measures 49-50, the second pair is 51-52, the third pair is 53-54, the fourth pair is 55-56, the fifth pair is 57-58, the sixth pair is 59-60, the seventh pair is 61-62, and the eighth pair is 63-64.

D subminor 7th (cont.)

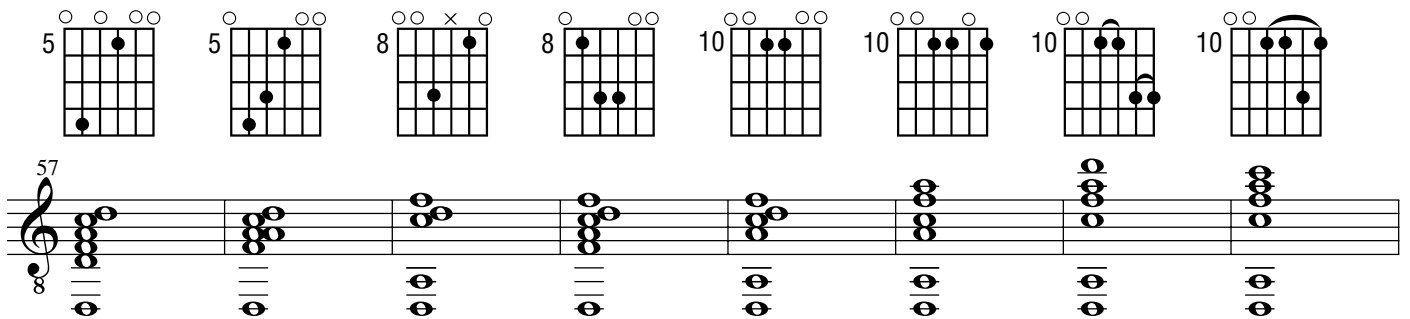


Diagram 23: 5th fret, 1st string open, 2nd string 5th fret, 3rd string 4th fret, 4th string 4th fret, 5th string 4th fret, 6th string open. Diagram 24: 5th fret, 1st string open, 2nd string 5th fret, 3rd string 4th fret, 4th string 4th fret, 5th string 4th fret, 6th string open. Diagram 25: 8th fret, 1st string open, 2nd string 8th fret, 3rd string 7th fret, 4th string 7th fret, 5th string 7th fret, 6th string open. Diagram 26: 8th fret, 1st string open, 2nd string 8th fret, 3rd string 7th fret, 4th string 7th fret, 5th string 7th fret, 6th string open. Diagram 27: 10th fret, 1st string open, 2nd string 10th fret, 3rd string 9th fret, 4th string 9th fret, 5th string 9th fret, 6th string open. Diagram 28: 10th fret, 1st string open, 2nd string 10th fret, 3rd string 9th fret, 4th string 9th fret, 5th string 9th fret, 6th string open. Diagram 29: 10th fret, 1st string open, 2nd string 10th fret, 3rd string 9th fret, 4th string 9th fret, 5th string 9th fret, 6th string 10th fret. Diagram 30: 10th fret, 1st string open, 2nd string 10th fret, 3rd string 9th fret, 4th string 9th fret, 5th string 9th fret, 6th string 10th fret.

Musical notation: Treble clef, 57 measures. Chords are played in pairs on a 4/4 beat. The first pair is measures 57-58, the second pair is 59-60, the third pair is 61-62, the fourth pair is 63-64, the fifth pair is 65-66, the sixth pair is 67-68, the seventh pair is 69-70, and the eighth pair is 71-72.

D subminor 7th (cont.) D 1:3:7

hard

D 1:3:7 (cont.)

D 1:3:7 (cont.)

D 1:3:7:9

hard

D 1:3:7:9 (cont.)

D 1:3:7:9 (cont.)

9 9 9 7 **hard** 7 7 14 14 x

This section shows eight guitar chord diagrams for the D 1:3:7:9 chord. The first three are 9th fret versions, the next two are 7th fret versions (one with a 'hard' instruction and a slur), and the last two are 14th fret versions (one with an 'x' on the high E string). Below the diagrams is a musical staff starting at measure 97, showing the chord's sound in a treble clef with a key signature of one sharp (F#) and a 2/4 time signature. The notation includes a treble clef, a key signature of one sharp, and a 2/4 time signature. The notes are D5, F#5, A5, and B5.

D7 (1:3:5:7)

This section shows seven guitar chord diagrams for the D7 (1:3:5:7) chord. The first six are standard 7th fret versions, and the last one is a 4th fret version. Below the diagrams is a musical staff starting at measure 105, showing the chord's sound in a treble clef with a key signature of one sharp (F#) and a 2/4 time signature. The notes are D5, F#5, A5, and B5.

D7 (cont.)

This section shows seven guitar chord diagrams for the D7 chord. The first four are 4th fret versions, and the last three are 7th fret versions. Below the diagrams is a musical staff starting at measure 113, showing the chord's sound in a treble clef with a key signature of one sharp (F#) and a 2/4 time signature. The notes are D5, F#5, A5, and B5.

D7 (cont.)

7 7 9 **takes time** 7 7 9 9 9

This section shows eight guitar chord diagrams for the D7 chord. The first two are 7th fret versions, the third is a 9th fret version with an 'x' on the high E string, and the remaining five are 9th fret versions. Below the diagrams is a musical staff starting at measure 121, showing the chord's sound in a treble clef with a key signature of one sharp (F#) and a 2/4 time signature. The notes are D5, F#5, A5, and B5.

D7 (cont.)

D9 (1:3:5:7:9)

Diagram 1: D7 chord, 9th fret, open strings on 1st and 2nd strings.

Diagram 2: D7 chord, 9th fret, open strings on 1st and 2nd strings.

Diagram 3: D9 chord, 9th fret, open strings on 1st and 2nd strings.

Diagram 4: D9 chord, 9th fret, open strings on 1st and 2nd strings.

Diagram 5: D9 chord, 9th fret, open strings on 1st and 2nd strings, with an 'x' on the 4th string.

Diagram 6: D9 chord, 9th fret, open strings on 1st and 2nd strings, with an 'x' on the 4th string.

Diagram 7: D9 chord, 2nd fret, open strings on 1st and 2nd strings.

Staff notation: Treble clef, key signature of one sharp (F#), starting at measure 129. It shows the fretting hand positions for the chords above.

D9 (cont.)

Diagram 1: D9 chord, 4th fret, open strings on 1st and 2nd strings, with an 'x' on the 4th string.

Diagram 2: D9 chord, 4th fret, open strings on 1st and 2nd strings.

Diagram 3: D9 chord, 4th fret, open strings on 1st and 2nd strings.

Diagram 4: D9 chord, 4th fret, open strings on 1st and 2nd strings.

Diagram 5: D9 chord, 4th fret, open strings on 1st and 2nd strings.

Diagram 6: D9 chord, 4th fret, open strings on 1st and 2nd strings.

Diagram 7: D9 chord, 4th fret, open strings on 1st and 2nd strings.

Diagram 8: D9 chord, 4th fret, open strings on 1st and 2nd strings.

Staff notation: Treble clef, key signature of one sharp (F#), starting at measure 137. It shows the fretting hand positions for the chords above.

D9 (cont.)

Diagram 1: D9 chord, 4th fret, open strings on 1st and 2nd strings.

Diagram 2: D9 chord, 9th fret, open strings on 1st and 2nd strings.

Diagram 3: D9 chord, 9th fret, open strings on 1st and 2nd strings.

Diagram 4: D9 chord, 7th fret, open strings on 1st and 2nd strings.

Diagram 5: D9 chord, 9th fret, open strings on 1st and 2nd strings.

Diagram 6: D9 chord, 7th fret, open strings on 1st and 2nd strings.

Diagram 7: D9 chord, 9th fret, open strings on 1st and 2nd strings.

Diagram 8: D9 chord, 10th fret, open strings on 1st and 2nd strings.

Staff notation: Treble clef, key signature of one sharp (F#), starting at measure 145. It shows the fretting hand positions for the chords above.

D9 (cont.)

D sus4 (1:3:9 of G)

Diagram 1: D9 chord, 9th fret, open strings on 1st and 2nd strings.

Diagram 2: D sus4 chord, 5th fret, open strings on 1st and 2nd strings.

Diagram 3: D sus4 chord, 5th fret, open strings on 1st and 2nd strings.

Diagram 4: D sus4 chord, 5th fret, open strings on 1st and 2nd strings.

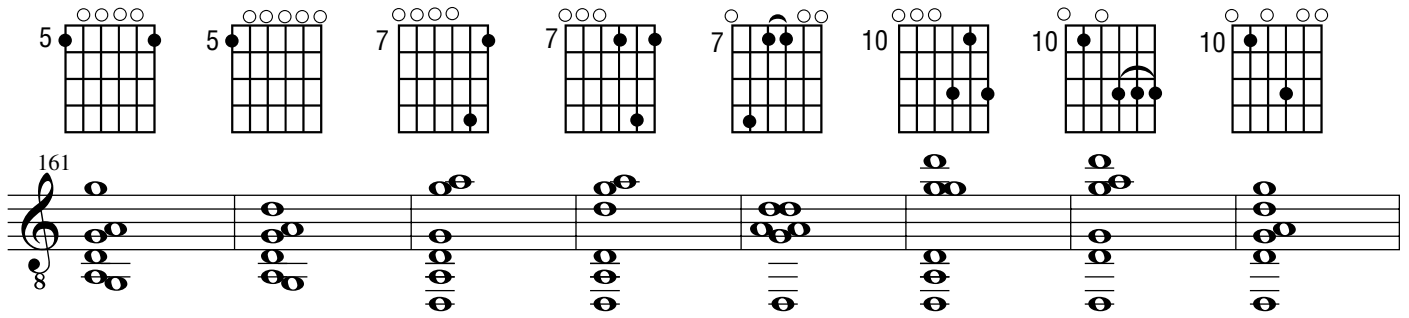
Diagram 5: D sus4 chord, 5th fret, open strings on 1st and 2nd strings.

Diagram 6: D sus4 chord, 5th fret, open strings on 1st and 2nd strings.

Diagram 7: D sus4 chord, 5th fret, open strings on 1st and 2nd strings.

Staff notation: Treble clef, key signature of one sharp (F#), starting at measure 153. It shows the fretting hand positions for the chords above.

D sus4 (cont.)



Five-fingered chord diagrams for D sus4 (cont.):

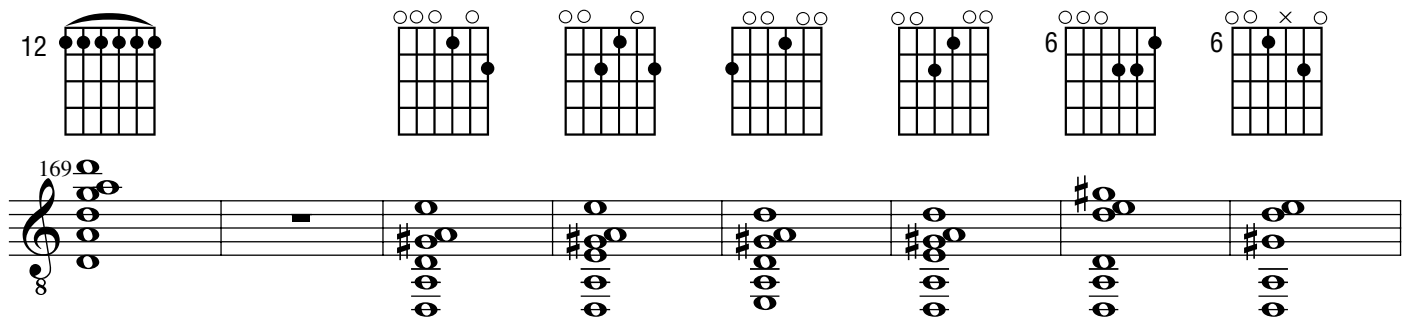
- Diagram 1: 5th fret, strings 1-4 open, 2nd and 3rd strings fretted at 5.
- Diagram 2: 5th fret, strings 1-4 open, 2nd and 3rd strings fretted at 5.
- Diagram 3: 7th fret, strings 1-4 open, 2nd and 3rd strings fretted at 7.
- Diagram 4: 7th fret, strings 1-4 open, 2nd and 3rd strings fretted at 7.
- Diagram 5: 7th fret, strings 1-4 open, 2nd and 3rd strings fretted at 7.
- Diagram 6: 10th fret, strings 1-4 open, 2nd and 3rd strings fretted at 10.
- Diagram 7: 10th fret, strings 1-4 open, 2nd and 3rd strings fretted at 10.
- Diagram 8: 10th fret, strings 1-4 open, 2nd and 3rd strings fretted at 10.

Musical notation (treble clef) for measures 161-168, showing the progression of these chords. The 8th fret is marked on the staff.

D sus4 (cont.)

surprisingly hard!

D 1:3:9:11

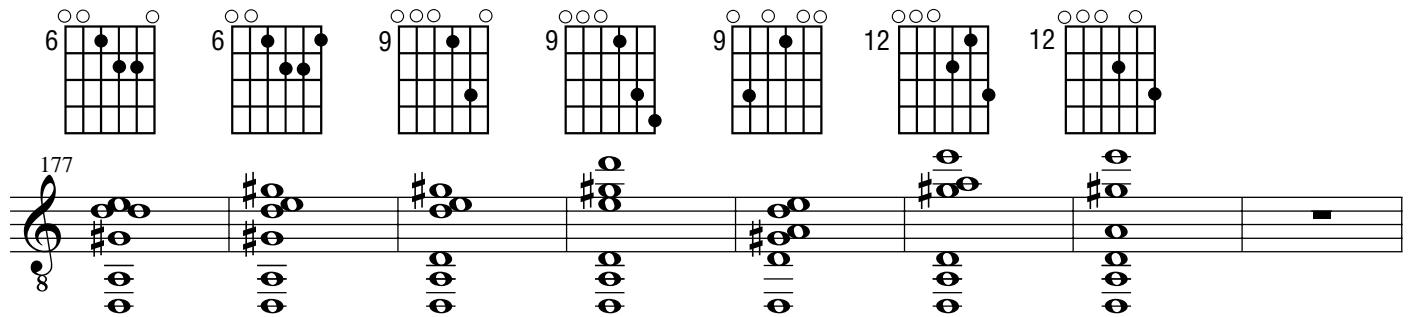


Chord diagrams for D 1:3:9:11:

- Diagram 1: 12th fret, strings 1-4 open, 2nd and 3rd strings fretted at 12.
- Diagram 2: 3rd fret, strings 1-4 open, 2nd and 3rd strings fretted at 3.
- Diagram 3: 3rd fret, strings 1-4 open, 2nd and 3rd strings fretted at 3.
- Diagram 4: 3rd fret, strings 1-4 open, 2nd and 3rd strings fretted at 3.
- Diagram 5: 3rd fret, strings 1-4 open, 2nd and 3rd strings fretted at 3.
- Diagram 6: 6th fret, strings 1-4 open, 2nd and 3rd strings fretted at 6.
- Diagram 7: 6th fret, strings 1-4 open, 2nd and 3rd strings fretted at 6.

Musical notation (treble clef) for measures 169-176, showing the progression of these chords. The 8th fret is marked on the staff.

D 1:3:9:11 (cont.)

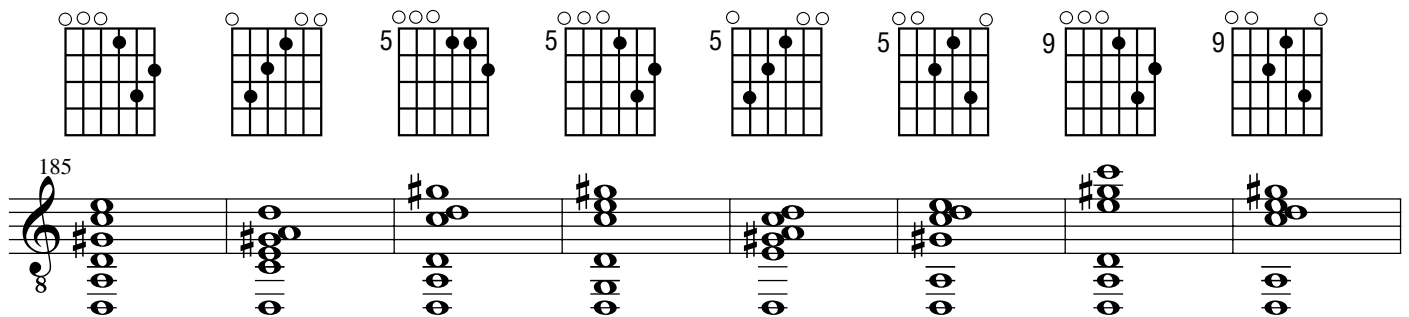


Chord diagrams for D 1:3:9:11 (cont.):

- Diagram 1: 6th fret, strings 1-4 open, 2nd and 3rd strings fretted at 6.
- Diagram 2: 6th fret, strings 1-4 open, 2nd and 3rd strings fretted at 6.
- Diagram 3: 9th fret, strings 1-4 open, 2nd and 3rd strings fretted at 9.
- Diagram 4: 9th fret, strings 1-4 open, 2nd and 3rd strings fretted at 9.
- Diagram 5: 9th fret, strings 1-4 open, 2nd and 3rd strings fretted at 9.
- Diagram 6: 12th fret, strings 1-4 open, 2nd and 3rd strings fretted at 12.
- Diagram 7: 12th fret, strings 1-4 open, 2nd and 3rd strings fretted at 12.

Musical notation (treble clef) for measures 177-184, showing the progression of these chords. The 8th fret is marked on the staff.

D 1:3:7:9:11



Chord diagrams for D 1:3:7:9:11:

- Diagram 1: 3rd fret, strings 1-4 open, 2nd and 3rd strings fretted at 3.
- Diagram 2: 3rd fret, strings 1-4 open, 2nd and 3rd strings fretted at 3.
- Diagram 3: 5th fret, strings 1-4 open, 2nd and 3rd strings fretted at 5.
- Diagram 4: 5th fret, strings 1-4 open, 2nd and 3rd strings fretted at 5.
- Diagram 5: 5th fret, strings 1-4 open, 2nd and 3rd strings fretted at 5.
- Diagram 6: 5th fret, strings 1-4 open, 2nd and 3rd strings fretted at 5.
- Diagram 7: 9th fret, strings 1-4 open, 2nd and 3rd strings fretted at 9.
- Diagram 8: 9th fret, strings 1-4 open, 2nd and 3rd strings fretted at 9.

Musical notation (treble clef) for measures 185-192, showing the progression of these chords. The 8th fret is marked on the staff.

D 1:3:7:9:11 (cont.)

F# diminished (3:5:7 of D)

13

F# dim (cont.)

4

F# dim (cont.)

9

F# half-diminished 7th (3:5:7:9 of D)

2

F# 1/2-dim 7th (cont.)

slow

This section shows eight guitar chord diagrams for the F# 1/2-dim 7th chord, each with a corresponding musical notation on a staff. The diagrams are labeled with fret numbers: 4, 4, 4, 4, 7, 7, and 9. The musical notation starts at measure 225 and shows the chord's sound in a treble clef with a key signature of one sharp (F#).

F# 1/2-dim 7th (cont.)

awkward but OK awkward but OK

This section shows eight more guitar chord diagrams for the F# 1/2-dim 7th chord, labeled with fret numbers 9, 7, 7, 9, 9, 9, 9, and 9. The musical notation starts at measure 233. The diagrams are arranged in two groups of four, with the second group labeled 'awkward but OK'.

3:9:11 of D

This section shows seven guitar chord diagrams for the 3:9:11 of D chord, labeled with fret numbers 6, 6, 6, 6, 6, 6, and 9. The musical notation starts at measure 241. The diagrams are arranged in two groups of four and three.

3:9:11 of D (cont.)

This section shows three guitar chord diagrams for the 3:9:11 of D chord, labeled with fret numbers 9, 12, and 12. The musical notation starts at measure 249.

3:7:9:11 of D

This section shows four guitar chord diagrams for the 3:7:9:11 of D chord, labeled with fret numbers 5, 5, 5, and 5. The musical notation starts at measure 249.

3:7:9:11 of D (cont.)

This section contains eight guitar chord diagrams and a corresponding musical staff. The diagrams are labeled with fret numbers 5 and 9. The first diagram (fret 5) has an 'O' above the 4th string and an 'x' above the 5th string. The second (fret 5) has 'x' above the 1st and 5th strings and 'O' above the 4th. The third (fret 5) has 'O' above the 4th and 'x' above the 5th. The fourth (fret 9) has 'x' above the 1st and 5th strings and 'O' above the 4th. The fifth (fret 9) has 'x' above the 1st and 5th strings and 'O' above the 4th. The sixth (fret 9) has 'x' above the 1st and 5th strings and 'O' above the 4th. The seventh (fret 9) has 'x' above the 1st and 5th strings and 'O' above the 4th. The eighth (fret 9) has 'x' above the 1st and 5th strings and 'O' above the 4th. The musical staff shows the notes for each chord in a treble clef with a key signature of one sharp (F#), starting at measure 257.

3:7:9:11 of D (cont.) 7:9:11 of D

This section contains seven guitar chord diagrams and a corresponding musical staff. The diagrams are labeled with fret numbers 9 and 5. The first diagram (fret 9) has 'O' above the 4th string and 'x' above the 5th string. The second (fret 9) has 'x' above the 1st, 2nd, and 3rd strings. The third (fret 9) has 'x' above the 1st and 2nd strings. The fourth (fret 9) has 'x' above the 1st and 2nd strings. The fifth (fret 9) has 'x' above the 1st and 2nd strings. The sixth (fret 5) has 'x' above the 1st, 2nd, and 3rd strings. The seventh (fret 5) has 'x' above the 1st and 2nd strings. The musical staff shows the notes for each chord in a treble clef with a key signature of one sharp (F#), starting at measure 265.

7:9:11 of D (cont.)

This section contains five guitar chord diagrams and a corresponding musical staff. The diagrams are labeled with fret numbers 5 and 9. The first diagram (fret 5) has 'x' above the 1st, 2nd, and 3rd strings. The second (fret 9) has 'x' above the 1st, 2nd, and 3rd strings. The third (fret 9) has 'x' above the 1st and 2nd strings. The fourth (fret 9) has 'x' above the 1st and 2nd strings. The fifth (fret 9) has 'x' above the 1st and 2nd strings. The musical staff shows the notes for each chord in a treble clef with a key signature of one sharp (F#), starting at measure 273.

A Open

A subminor (3:7:9 of D)

Diagram 1: A Open (x02232) with fret numbers 7, 7, 12 above. Diagram 2: A subminor (3:7:9 of D) with fret numbers x, x, x above. Staff notation shows the corresponding notes on a six-string guitar.

A subminor (cont.)

Diagram 1: A subminor (3:7:9 of D) with fret numbers 5, 5, 5 above. Diagram 2: A subminor (3:7:9 of D) with fret numbers 7, 7, 7 above. Diagram 3: A subminor (3:7:9 of D) with fret numbers 7, 7, 9 above. Diagram 4: A subminor (3:7:9 of D) with fret numbers 7, 7, 7 above. Staff notation shows the corresponding notes on a six-string guitar.

A subminor (cont.)

A sus4 (1:3:9 of D)

Diagram 1: A subminor (3:7:9 of D) with fret numbers 7, 9, 9 above. Diagram 2: A subminor (3:7:9 of D) with fret numbers 10, 10, 10 above. Diagram 3: A sus4 (1:3:9 of D) with fret numbers 0, 0, 0 above. Diagram 4: A sus4 (1:3:9 of D) with fret numbers 0, 0, 0 above. Diagram 5: A sus4 (1:3:9 of D) with fret numbers 0, 0, 0 above. Staff notation shows the corresponding notes on a six-string guitar.

A sus4 (cont.)

takes time

Diagram 1: A sus4 (1:3:9 of D) with fret numbers 0, 0, 0 above. Diagram 2: A sus4 (1:3:9 of D) with fret numbers 2, 2, 2 above. Diagram 3: A sus4 (1:3:9 of D) with fret numbers 5, 5, 5 above. Diagram 4: A sus4 (1:3:9 of D) with fret numbers 7, 7, 7 above. Diagram 5: A sus4 (1:3:9 of D) with fret numbers 7, 7, 7 above. Diagram 6: A sus4 (1:3:9 of D) with fret numbers 7, 7, 7 above. Diagram 7: A sus4 (1:3:9 of D) with fret numbers 7, 7, 7 above. Staff notation shows the corresponding notes on a six-string guitar.

A sus4 (cont.)

Diagram 1: 7th fret, strings 2, 3, 4, 5, 6. Diagram 2: 7th fret, strings 1, 2, 3, 4, 5, 6. Diagram 3: 7th fret, strings 2, 3, 4, 5, 6. Diagram 4: 9th fret, strings 2, 3, 4, 5, 6. Diagram 5: 12th fret, strings 2, 3, 4, 5, 6. Diagram 6: 14th fret, strings 2, 3, 4, 5, 6. Diagram 7: 14th fret, strings 1, 2, 3, 4, 5, 6.

Musical notation: Treble clef, starting at measure 33. Chords are shown as groups of notes on the staff, with a bass line below. A whole rest is shown in the final measure.

A false Major (18:22:27 of G)

Diagram 1: 6th fret, strings 1, 2, 3, 4, 5, 6. Diagram 2: 6th fret, strings 1, 2, 3, 4, 5, 6. Diagram 3: 6th fret, strings 1, 2, 3, 4, 5, 6, labeled "hard". Diagram 4: 6th fret, strings 1, 2, 3, 4, 5, 6. Diagram 5: 6th fret, strings 1, 2, 3, 4, 5, 6. Diagram 6: 6th fret, strings 1, 2, 3, 4, 5, 6. Diagram 7: 6th fret, strings 1, 2, 3, 4, 5, 6. Diagram 8: 6th fret, strings 1, 2, 3, 4, 5, 6.

Musical notation: Treble clef, starting at measure 41. Chords are shown as groups of notes on the staff, with a bass line below. A whole rest is shown in the final measure.

A false Major (cont.)

Diagram 1: 9th fret, strings 1, 2, 3, 4, 5, 6. Diagram 2: 9th fret, strings 1, 2, 3, 4, 5, 6. Diagram 3: 9th fret, strings 1, 2, 3, 4, 5, 6. Diagram 4: 11th fret, strings 1, 2, 3, 4, 5, 6.

B^b Open

Diagram 5: Open strings, strings 1, 2, 3, 4, 5, 6. Diagram 6: Open strings, strings 1, 2, 3, 4, 5, 6, labeled "takes time". Diagram 7: Open strings, strings 1, 2, 3, 4, 5, 6, labeled "takes time".

Musical notation: Treble clef, starting at measure 49. Chords are shown as groups of notes on the staff, with a bass line below. A whole rest is shown in the final measure.

B^b Open (cont.)

Diagram 1: Open strings, strings 1, 2, 3, 4, 5, 6. Diagram 2: 8th fret, strings 1, 2, 3, 4, 5, 6. Diagram 3: 8th fret, strings 1, 2, 3, 4, 5, 6. Diagram 4: 8th fret, strings 1, 2, 3, 4, 5, 6. Diagram 5: 8th fret, strings 1, 2, 3, 4, 5, 6. Diagram 6: 8th fret, strings 1, 2, 3, 4, 5, 6. Diagram 7: 8th fret, strings 1, 2, 3, 4, 5, 6.

Musical notation: Treble clef, starting at measure 57. Chords are shown as groups of notes on the staff, with a bass line below. A whole rest is shown in the final measure.

B^b false subminor (28:33:42 of absent C 16/9)

Diagram 1: 8th fret, strings 1, 2, 3, 4, 5, 6. Diagram 2: 8th fret, strings 1, 2, 3, 4, 5, 6. Diagram 3: 8th fret, strings 1, 2, 3, 4, 5, 6. Diagram 4: 8th fret, strings 1, 2, 3, 4, 5, 6. Diagram 5: 8th fret, strings 1, 2, 3, 4, 5, 6. Diagram 6: 8th fret, strings 1, 2, 3, 4, 5, 6. Diagram 7: 8th fret, strings 1, 2, 3, 4, 5, 6.

Musical notation: Treble clef, starting at measure 57. Chords are shown as groups of notes on the staff, with a bass line below. A whole rest is shown in the final measure.

B \flat false subminor (cont.)

very hard

Diagram 1: 8 fret, x x x, notes: 2nd string 8th fret, 4th string 8th fret, 5th string 8th fret.

Diagram 2: 8 fret, x x x x, notes: 1st string 8th fret, 2nd string 8th fret, 3rd string 8th fret, 4th string 8th fret, 5th string 8th fret.

Diagram 3: 8 fret, x x x, notes: 2nd string 8th fret, 4th string 8th fret, 5th string 8th fret.

Diagram 4: 8 fret, notes: 1st string 8th fret, 2nd string 8th fret, 3rd string 8th fret, 4th string 8th fret, 5th string 8th fret.

Diagram 5: 10 fret, x x x x, notes: 1st string 10th fret, 2nd string 10th fret, 3rd string 10th fret, 4th string 10th fret, 5th string 10th fret.

Diagram 6: 10 fret, x x x, notes: 2nd string 10th fret, 4th string 10th fret, 5th string 10th fret.

Diagram 7: 10 fret, x x x, notes: 1st string 10th fret, 2nd string 10th fret, 3rd string 10th fret, 4th string 10th fret, 5th string 10th fret.

Staff notation: Treble clef, key signature of two flats. Measures 65-72 show various voicings of the chords above.

B \flat sus4 (1:3:9 of E \flat)

really hard **hard**

Diagram 1: 8 fret, x x x x, notes: 1st string 8th fret, 2nd string 8th fret, 3rd string 8th fret, 4th string 8th fret, 5th string 8th fret.

Diagram 2: 8 fret, x x x, notes: 1st string 8th fret, 2nd string 8th fret, 3rd string 8th fret, 4th string 8th fret, 5th string 8th fret.

Diagram 3: 8 fret, x x x, notes: 1st string 8th fret, 2nd string 8th fret, 3rd string 8th fret, 4th string 8th fret, 5th string 8th fret.

Diagram 4: 3 fret, x x x, notes: 1st string 3rd fret, 2nd string 3rd fret, 3rd string 3rd fret, 4th string 3rd fret, 5th string 3rd fret.

Diagram 5: 3 fret, x x x, notes: 1st string 3rd fret, 2nd string 3rd fret, 3rd string 3rd fret, 4th string 3rd fret, 5th string 3rd fret.

Diagram 6: 6 fret, x x x x, notes: 1st string 6th fret, 2nd string 6th fret, 3rd string 6th fret, 4th string 6th fret, 5th string 6th fret.

Diagram 7: 6 fret, x x x x, notes: 1st string 6th fret, 2nd string 6th fret, 3rd string 6th fret, 4th string 6th fret, 5th string 6th fret.

Diagram 8: 6 fret, x x x x, notes: 1st string 6th fret, 2nd string 6th fret, 3rd string 6th fret, 4th string 6th fret, 5th string 6th fret.

Staff notation: Treble clef, key signature of two flats. Measures 73-80 show various voicings of the chords above.

B \flat sus4 (cont.)

C \sharp Open

really hard

Diagram 1: 8 fret, notes: 1st string 8th fret, 2nd string 8th fret, 3rd string 8th fret, 4th string 8th fret, 5th string 8th fret.

Diagram 2: 10 fret, x x x x, notes: 1st string 10th fret, 2nd string 10th fret, 3rd string 10th fret, 4th string 10th fret, 5th string 10th fret.

Diagram 3: 4 fret, x x x x, notes: 1st string 4th fret, 2nd string 4th fret, 3rd string 4th fret, 4th string 4th fret, 5th string 4th fret.

Diagram 4: 4 fret, x x x x, notes: 1st string 4th fret, 2nd string 4th fret, 3rd string 4th fret, 4th string 4th fret, 5th string 4th fret.

Diagram 5: 4 fret, x x x x, notes: 1st string 4th fret, 2nd string 4th fret, 3rd string 4th fret, 4th string 4th fret, 5th string 4th fret.

Diagram 6: 6 fret, x x x x, notes: 1st string 6th fret, 2nd string 6th fret, 3rd string 6th fret, 4th string 6th fret, 5th string 6th fret.

Diagram 7: 11 fret, x x x x, notes: 1st string 11th fret, 2nd string 11th fret, 3rd string 11th fret, 4th string 11th fret, 5th string 11th fret.

Staff notation: Treble clef, key signature of two flats. Measures 81-88 show various voicings of the chords above.

E \flat Open

F Open

ouch!

Diagram 1: notes: 1st string 8th fret, 2nd string 8th fret, 3rd string 8th fret, 4th string 8th fret, 5th string 8th fret.

Diagram 2: 6 fret, x x, notes: 1st string 6th fret, 2nd string 6th fret, 3rd string 6th fret, 4th string 6th fret, 5th string 6th fret.

Diagram 3: 6 fret, x x x, notes: 1st string 6th fret, 2nd string 6th fret, 3rd string 6th fret, 4th string 6th fret, 5th string 6th fret.

Diagram 4: 8 fret, x x x, notes: 1st string 8th fret, 2nd string 8th fret, 3rd string 8th fret, 4th string 8th fret, 5th string 8th fret.

Diagram 5: 3 fret, notes: 1st string 3rd fret, 2nd string 3rd fret, 3rd string 3rd fret, 4th string 3rd fret, 5th string 3rd fret.

Diagram 6: 8 fret, x x x, notes: 1st string 8th fret, 2nd string 8th fret, 3rd string 8th fret, 4th string 8th fret, 5th string 8th fret.

Staff notation: Treble clef, key signature of two flats. Measures 89-96 show various voicings of the chords above.

F Open (cont.)

F false subminor (28:33:42 of G)

hard

This section shows seven guitar chord diagrams and their corresponding musical notation. The first diagram is for F Open (cont.), with fret 10 and an octave sign (8). The remaining six diagrams are for F false subminor, with frets 3, 3, 3, 5, 5, and 5. The musical notation is on a single staff with a treble clef and a key signature of one flat (Bb). The notes for the chords are: F Open (cont.) [10] (F, C, G, C, F); F false subminor [3] (F, C, G, C, F); F false subminor [3] (F, C, G, C, F); F false subminor [3] (F, C, G, C, F); F false subminor [5] (F, C, G, C, F); F false subminor [5] (F, C, G, C, F); F false subminor [5] (F, C, G, C, F).

F false subminor (cont.)

F sus4 (1:3:9 of Bb)
hard to sustain

(also 8vb at 2)

This section shows seven guitar chord diagrams and their corresponding musical notation. The first six diagrams are for F false subminor (cont.), with frets 10, 10, 10, 10, 8, and 13. The seventh diagram is for F sus4, with fret 8. The musical notation is on a single staff with a treble clef and a key signature of one flat (Bb). The notes for the chords are: F false subminor [10] (F, C, G, C, F); F false subminor [10] (F, C, G, C, F); F false subminor [10] (F, C, G, C, F); F false subminor [10] (F, C, G, C, F); F false subminor [8] (F, C, G, C, F); F false subminor [13] (F, C, G, C, F); F sus4 [8] (F, C, G, C, F).

F sus4 (cont.)

This section shows five guitar chord diagrams and their corresponding musical notation for F sus4 (cont.). The frets are 8, 5, 8, 8, and 8. The musical notation is on a single staff with a treble clef and a key signature of one flat (Bb). The notes for the chords are: F sus4 [8] (F, C, G, C, F); F sus4 [5] (F, C, G, C, F); F sus4 [8] (F, C, G, C, F); F sus4 [8] (F, C, G, C, F); F sus4 [8] (F, C, G, C, F).