

# 7TH CHORD INVERSIONS OF MINOR MAJOR, DIMINISHED MAJOR, AUGMENTED MAJOR, AND AUGMENTED DOMINANT

BEN PORTNER

## MINOR MAJOR 7TH CHORDS AND INVERSIONS

### C MINOR MAJOR

C<sub>m</sub>(maj7)

1ST INVERSION

2ND INVERSION

3RD INVERSION

CEbGB EbGBC GBCEb BCEbG

### C# MINOR MAJOR

C#<sub>m</sub>(maj7)

1ST INVERSION

2ND INVERSION

3RD INVERSION

5 C#EG#C EG#CC# G#CC#E CC#EG#

### D MINOR MAJOR

D<sub>m</sub>(maj7)

1ST INVERSION

2ND INVERSION

3RD INVERSION

9 DFAC# FAC#D AC#DF C#DFA

### Eb MINOR MAJOR

E<sub>b</sub><sub>m</sub>(maj7)

1ST INVERSION

2ND INVERSION

3RD INVERSION

13 EbGbBbD GbBbDEb BbDEbGb DEbGbBb

### E MINOR MAJOR

E<sub>m</sub>(maj7)

1ST INVERSION

2ND INVERSION

3RD INVERSION

17 EGBD# GBD#E BD#EG D#EGB

**F MINOR MAJOR**

F<sub>m</sub>(maj7)      1ST INVERSION      2ND INVERSION      3RD INVERSION

21      FAbCE      AbCEF      CEFAb      EFAbC

**F# MINOR MAJOR**

F#<sub>m</sub>(maj7)      1ST INVERSION      2ND INVERSION      3RD INVERSION

25      F#AC#E#      AC#E#F#      C#E#F#A      E#F#AC#

**G MINOR MAJOR**

G<sub>m</sub>(maj7)      1ST INVERSION      2ND INVERSION      3RD INVERSION

29      GBbDF#      BbDF#G      DF#GBb      F#GBbD

**G# MINOR MAJOR**

G#<sub>m</sub>(maj7)      1ST INVERSION      2ND INVERSION      3RD INVERSION

33      G#BD#G      BD#GG#      D#GG#B      GG#BD#

**A MINOR MAJOR**

A<sub>m</sub>(maj7)      1ST INVERSION      2ND INVERSION      3RD INVERSION

37      ACEG#      CEG#A      EG#AC      G#ACE

**Bb MINOR MAJOR**

Bb<sub>m</sub>(maj7)      1ST INVERSION      2ND INVERSION      3RD INVERSION

41      BbDbFA      DbFABb      FABbDb      ABbDbF

**B MINOR MAJOR**

B<sub>m</sub>(maj7) 45      BDF#A#      DF#A#B      F#A#BD      A#BDF#

DIMINISHED MAJOR 7 CHORDS AND INVERSIONS

C DIMINISHED MAJOR 7TH

C<sup>o</sup>maj7

1ST INVERSION

2ND INVERSION

3RD INVERSION

49 C E<sup>b</sup> G<sup>b</sup> B

E<sup>b</sup> G<sup>b</sup> B C

G<sup>b</sup> B C E<sup>b</sup>

B C E<sup>b</sup> G<sup>b</sup>

C# DIMINISHED MAJOR 7TH

C<sup>#o</sup>maj7

1ST INVERSION

2ND INVERSION

3RD INVERSION

53 C# E G C

E G C C#

G C C# E

C C# E G

D DIMINISHED MAJOR 7TH

D<sup>o</sup>maj7

1ST INVERSION

2ND INVERSION

3RD INVERSION

57 D F A<sup>b</sup> C#

F A<sup>b</sup> C# D

A<sup>b</sup> C# D F

C# D F A<sup>b</sup>

D# DIMINISHED MAJOR 7TH

D<sup>#o</sup>maj7

1ST INVERSION

2ND INVERSION

3RD INVERSION

61 D# F# A D

F# A D D#

A D D# F#

D D# F# A

E DIMINISHED MAJOR 7TH

E<sup>o</sup>maj7

1ST INVERSION

2ND INVERSION

3RD INVERSION

65 E G B<sup>b</sup> E<sup>b</sup>

G B<sup>b</sup> E<sup>b</sup> E

B<sup>b</sup> E<sup>b</sup> E G

E<sup>b</sup> E G B<sup>b</sup>

F DIMINISHED MAJOR 7TH

F<sup>o</sup>maj7

69 F G# B E

G# B E F

B E F G#

E F G# B

**G<sup>b</sup> DIMINISHED MAJOR 7TH**

G<sup>b</sup>omaj7      1ST INVERSION      2ND INVERSION      3RD INVERSION

73      G<sup>b</sup>ACF      ACFG<sup>b</sup>      CFG<sup>b</sup>A      F<sup>b</sup>GAC

Detailed description: This block shows the G<sup>b</sup> diminished major 7th chord in its root position and three inversions. The root position (73) has notes G<sup>b</sup>, A, C, and F. The 1st inversion has notes A, C, G<sup>b</sup>, and F. The 2nd inversion has notes C, F, G<sup>b</sup>, and A. The 3rd inversion has notes F, G<sup>b</sup>, A, and C. Each chord is represented by a treble clef staff with four notes.

**G DIMINISHED MAJOR 7TH**

Gomaj7      1ST INVERSION      2ND INVERSION      3RD INVERSION

77      G<sup>b</sup>B<sup>b</sup>D<sup>b</sup>F<sup>#</sup>      B<sup>b</sup>D<sup>b</sup>F<sup>#</sup>G      D<sup>b</sup>F<sup>#</sup>G<sup>b</sup>B<sup>b</sup>      F<sup>#</sup>G<sup>b</sup>B<sup>b</sup>D<sup>b</sup>

Detailed description: This block shows the G diminished major 7th chord in its root position and three inversions. The root position (77) has notes G<sup>b</sup>, B<sup>b</sup>, D<sup>b</sup>, and F<sup>#</sup>. The 1st inversion has notes B<sup>b</sup>, D<sup>b</sup>, F<sup>#</sup>, and G. The 2nd inversion has notes D<sup>b</sup>, F<sup>#</sup>, G<sup>b</sup>, and B<sup>b</sup>. The 3rd inversion has notes F<sup>#</sup>, G<sup>b</sup>, B<sup>b</sup>, and D<sup>b</sup>. Each chord is represented by a treble clef staff with four notes.

**G<sup>#</sup> DIMINISHED MAJOR 7TH**

G<sup>#</sup>omaj7      1ST INVERSION      2ND INVERSION      3RD INVERSION

81      G<sup>#</sup>BDG      BDGG<sup>#</sup>      DGG<sup>#</sup>B      GG<sup>#</sup>BD

Detailed description: This block shows the G<sup>#</sup> diminished major 7th chord in its root position and three inversions. The root position (81) has notes G<sup>#</sup>, B, D, and G. The 1st inversion has notes B, D, G<sup>#</sup>, and G. The 2nd inversion has notes D, G<sup>#</sup>, G, and B. The 3rd inversion has notes G, G<sup>#</sup>, B, and D. Each chord is represented by a treble clef staff with four notes.

**A DIMINISHED MAJOR 7TH**

Aomaj7      1ST INVERSION      2ND INVERSION      3RD INVERSION

85      ACE<sup>b</sup>Ab      CE<sup>b</sup>AbA      E<sup>b</sup>AbAC      AbACE<sup>b</sup>

Detailed description: This block shows the A diminished major 7th chord in its root position and three inversions. The root position (85) has notes A, C<sup>b</sup>, E<sup>b</sup>, and Ab. The 1st inversion has notes C<sup>b</sup>, E<sup>b</sup>, Ab, and A. The 2nd inversion has notes E<sup>b</sup>, Ab, A, and C<sup>b</sup>. The 3rd inversion has notes Ab, A, C<sup>b</sup>, and E<sup>b</sup>. Each chord is represented by a treble clef staff with four notes.

**A<sup>#</sup> DIMINISHED MAJOR 7TH**

A<sup>#</sup>omaj7      1ST INVERSION      2ND INVERSION      3RD INVERSION

89      A<sup>#</sup>C<sup>#</sup>EA      C<sup>#</sup>EAA<sup>#</sup>      EAA<sup>#</sup>C<sup>#</sup>      AA<sup>#</sup>C<sup>#</sup>E

Detailed description: This block shows the A<sup>#</sup> diminished major 7th chord in its root position and three inversions. The root position (89) has notes A<sup>#</sup>, C<sup>#</sup>, E, and A. The 1st inversion has notes C<sup>#</sup>, E, A<sup>#</sup>, and A. The 2nd inversion has notes E, A<sup>#</sup>, A, and C<sup>#</sup>. The 3rd inversion has notes A, A<sup>#</sup>, C<sup>#</sup>, and E. Each chord is represented by a treble clef staff with four notes.

**B DIMINISHED MAJOR 7TH**

Bomaj7      1ST INVERSION      2ND INVERSION      3RD INVERSION

93      BDFB<sup>b</sup>      DFB<sup>b</sup>B      FB<sup>b</sup>BD      B<sup>b</sup>BDF

Detailed description: This block shows the B diminished major 7th chord in its root position and three inversions. The root position (93) has notes B, D, F<sup>b</sup>, and B<sup>b</sup>. The 1st inversion has notes D, F<sup>b</sup>, B<sup>b</sup>, and B. The 2nd inversion has notes F<sup>b</sup>, B<sup>b</sup>, B, and D. The 3rd inversion has notes B<sup>b</sup>, B, D, and F<sup>b</sup>. Each chord is represented by a treble clef staff with four notes.

AUGMENTED MAJOR 7TH CHORDS

C AUGMENTED MAJOR 7TH

1ST INVERSION 2ND INVERSION 3RD INVERSION

C+maj7  
97 CEG#B EG#BC G#BCE BCEG#

Detailed description: This block shows the C augmented major 7th chord in three inversions. The first measure shows the root position (CEG#B) with a treble clef and a key signature of one sharp (F#). The second measure shows the first inversion (EG#BC) with a bass clef. The third measure shows the second inversion (G#BCE) with a treble clef. The fourth measure shows the third inversion (BCEG#) with a bass clef. Each measure contains a chord symbol above the staff and a corresponding chord diagram on the staff.

Db AUGMENTED MAJOR 7TH

1ST INVERSION 2ND INVERSION 3RD INVERSION

Db+maj7  
101 DbFAC FACDb ACDbF CDbFA

Detailed description: This block shows the Db augmented major 7th chord in three inversions. The first measure shows the root position (DbFAC) with a treble clef and a key signature of two flats (Bb, Fb). The second measure shows the first inversion (FACDb) with a bass clef. The third measure shows the second inversion (ACDbF) with a treble clef. The fourth measure shows the third inversion (CDbFA) with a bass clef. Each measure contains a chord symbol above the staff and a corresponding chord diagram on the staff.

D AUGMENTED MAJOR 7TH

1ST INVERSION 2ND INVERSION 3RD INVERSION

D+maj7  
105 DF#A#C# F#A#C#D A#C#DF# C#DF#A#

Detailed description: This block shows the D augmented major 7th chord in three inversions. The first measure shows the root position (DF#A#C#) with a treble clef and a key signature of two sharps (F#, C#). The second measure shows the first inversion (F#A#C#D) with a bass clef. The third measure shows the second inversion (A#C#DF#) with a treble clef. The fourth measure shows the third inversion (C#DF#A#) with a bass clef. Each measure contains a chord symbol above the staff and a corresponding chord diagram on the staff.

Eb AUGMENTED MAJOR 7TH

2ND INVERSION

1ST INVERSION 3RD INVERSION

Eb+maj7  
109 EbGBD GBDEb BDEbG DEbGB

Detailed description: This block shows the Eb augmented major 7th chord in three inversions. The first measure shows the root position (EbGBD) with a treble clef and a key signature of three flats (Bb, Eb, Ab). The second measure shows the first inversion (GBDEb) with a bass clef. The third measure shows the second inversion (BDEbG) with a treble clef. The fourth measure shows the third inversion (DEbGB) with a bass clef. Each measure contains a chord symbol above the staff and a corresponding chord diagram on the staff.

E AUGMENTED MAJOR 7TH

1ST INVERSION 2ND INVERSION 3RD INVERSION

E+maj7  
113 EG#B#D# G#B#D#E CD#EG# D#EG#B#

Detailed description: This block shows the E augmented major 7th chord in three inversions. The first measure shows the root position (EG#B#D#) with a treble clef and a key signature of three sharps (F#, C#, G#). The second measure shows the first inversion (G#B#D#E) with a bass clef. The third measure shows the second inversion (CD#EG#) with a treble clef. The fourth measure shows the third inversion (D#EG#B#) with a bass clef. Each measure contains a chord symbol above the staff and a corresponding chord diagram on the staff.

F AUGMENTED MAJOR 7TH

1ST INVERSION 2ND INVERSION 3RD INVERSION

F+maj7  
117 FAC#E AC#EF C#EFA EFAC#

Detailed description: This block shows the F augmented major 7th chord in three inversions. The first measure shows the root position (FAC#E) with a treble clef and a key signature of one sharp (F#). The second measure shows the first inversion (AC#EF) with a bass clef. The third measure shows the second inversion (C#EFA) with a treble clef. The fourth measure shows the third inversion (EFAC#) with a bass clef. Each measure contains a chord symbol above the staff and a corresponding chord diagram on the staff.

## Gb AUGMENTED MAJOR 7TH

1ST INVERSION

2ND INVERSION

3RD INVERSION

Gb+maj7

121 GbBbDF BbDFGb DFGbBb FGbBbD

## G AUGMENTED MAJOR 7TH

1ST INVERSION

2ND INVERSION

3RD INVERSION

G+maj7

125 GBD#F# BD#F#G D#F#GB F#GBD#

## Ab AUGMENTED MAJOR 7TH

1ST INVERSION

2ND INVERSION

3RD INVERSION

Ab+maj7

129 AbCEG CEGAb EGA bC GAbCE

## A AUGMENTED MAJOR 7TH

1ST INVERSION

2ND INVERSION

3RD INVERSION

A+maj7

133 AC#E#G# C#E#G#A E#G#AC# G#AC#E#

## Bb AUGMENTED MAJOR 7TH

1ST INVERSION

2ND INVERSION

3RD INVERSION

Bb+maj7

137 BbDF#A DF#ABb F#ABbD ABbDF#

## B AUGMENTED MAJOR 7TH

1ST INVERSION

2ND INVERSION

3RD INVERSION

B+maj7 141

BD#GA# D#GA#B GA#BD# A#BD#G



F AUGMENTED DOMINANT 7TH

8

F<sup>+7</sup>

1ST INVERSION

2ND INVERSION

3RD INVERSION

165 FAD<sup>b</sup>E<sup>b</sup>

AD<sup>b</sup>E<sup>b</sup>F

D<sup>b</sup>E<sup>b</sup>FA

E<sup>b</sup>FAD<sup>b</sup>

A musical staff in treble clef showing the F augmented dominant 7th chord and its first three inversions. The notes are: F (root), A<sup>b</sup>, E<sup>b</sup>, F (augmented). The first inversion (1st Inversion) has notes: A<sup>b</sup>, E<sup>b</sup>, F, F. The second inversion (2nd Inversion) has notes: E<sup>b</sup>, F, F, A<sup>b</sup>. The third inversion (3rd Inversion) has notes: F, F, A<sup>b</sup>, E<sup>b</sup>.

F# AUGMENTED DOMINANT 7TH

F<sup>#7</sup>

1ST INVERSION

2ND INVERSION

3RD INVERSION

169 F#A#DE

A#DE F#

DEF#A#

E F#A#D

A musical staff in treble clef showing the F# augmented dominant 7th chord and its first three inversions. The notes are: F# (root), A#, D, E (augmented). The first inversion (1st Inversion) has notes: A#, D, E, F#. The second inversion (2nd Inversion) has notes: D, E, F#, A#. The third inversion (3rd Inversion) has notes: E, F#, A#, D.

G AUGMENTED DOMINANT 7TH

G<sup>+7</sup>

1ST INVERSION

2ND INVERSION

3RD INVERSION

173 GBE<sup>b</sup>F

BE<sup>b</sup>FG

E<sup>b</sup>FGB

FGBE<sup>b</sup>

A musical staff in treble clef showing the G augmented dominant 7th chord and its first three inversions. The notes are: G (root), B, E<sup>b</sup>, F (augmented). The first inversion (1st Inversion) has notes: B, E<sup>b</sup>, F, G. The second inversion (2nd Inversion) has notes: E<sup>b</sup>, F, G, B. The third inversion (3rd Inversion) has notes: F, G, B, E<sup>b</sup>.

A<sup>b</sup> AUGMENTED DOMINANT 7TH

A<sup>b7</sup>

1ST INVERSION

2ND INVERSION

3RD INVERSION

177 A<sup>b</sup>CEG<sup>b</sup>

CEG<sup>b</sup>A<sup>b</sup>

E G<sup>b</sup>A<sup>b</sup>C

G<sup>b</sup>A<sup>b</sup>CE

A musical staff in treble clef showing the A<sup>b</sup> augmented dominant 7th chord and its first three inversions. The notes are: A<sup>b</sup> (root), C, E, G<sup>b</sup> (augmented). The first inversion (1st Inversion) has notes: C, E, G<sup>b</sup>, A<sup>b</sup>. The second inversion (2nd Inversion) has notes: E, G<sup>b</sup>, A<sup>b</sup>, C. The third inversion (3rd Inversion) has notes: G<sup>b</sup>, A<sup>b</sup>, C, E.

A AUGMENTED DOMINANT 7TH

A<sup>+7</sup>

1ST INVERSION

2ND INVERSION

3RD INVERSION

181 A D<sup>b</sup>FG

D<sup>b</sup>FGA

FGA D<sup>b</sup>

G A D<sup>b</sup> F

A musical staff in treble clef showing the A augmented dominant 7th chord and its first three inversions. The notes are: A (root), D<sup>b</sup>, F, G (augmented). The first inversion (1st Inversion) has notes: D<sup>b</sup>, F, G, A. The second inversion (2nd Inversion) has notes: F, G, A, D<sup>b</sup>. The third inversion (3rd Inversion) has notes: G, A, D<sup>b</sup>, F.

B<sup>b</sup> AUGMENTED DOMINANT 7TH

B<sup>b7</sup>

1ST INVERSION

2ND INVERSION

3RD INVERSION

185 B<sup>b</sup>D F#A<sup>b</sup>

D F#A<sup>b</sup>B<sup>b</sup>

F#A<sup>b</sup>B<sup>b</sup>D

A<sup>b</sup>B<sup>b</sup>D F#

A musical staff in treble clef showing the B<sup>b</sup> augmented dominant 7th chord and its first three inversions. The notes are: B<sup>b</sup> (root), D, F#, A<sup>b</sup> (augmented). The first inversion (1st Inversion) has notes: D, F#, A<sup>b</sup>, B<sup>b</sup>. The second inversion (2nd Inversion) has notes: F#, A<sup>b</sup>, B<sup>b</sup>, D. The third inversion (3rd Inversion) has notes: A<sup>b</sup>, B<sup>b</sup>, D, F#.

B AUGMENTED DOMINANT 7TH

B<sup>+7</sup>

1ST INVERSION

2ND INVERSION

3RD INVERSION

189 B D#GA

D#GAB

GAB D#

AB D#G

A musical staff in treble clef showing the B augmented dominant 7th chord and its first three inversions. The notes are: B (root), D#, G, A (augmented). The first inversion (1st Inversion) has notes: D#, G, A, B. The second inversion (2nd Inversion) has notes: G, A, B, D#. The third inversion (3rd Inversion) has notes: A, B, D#, G.