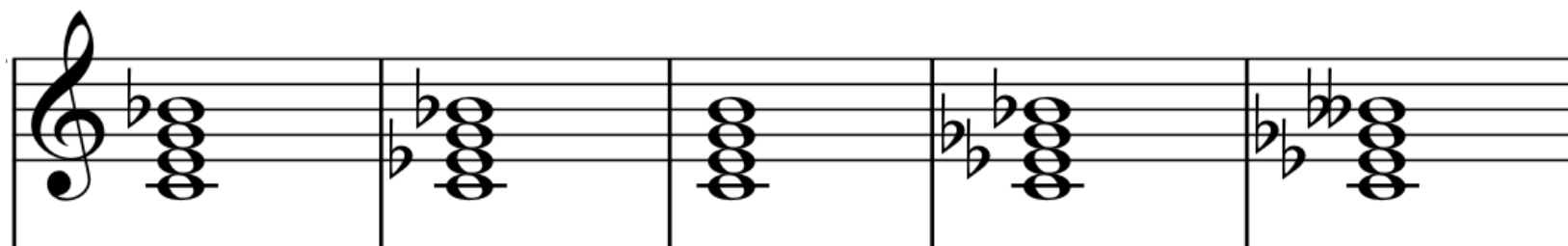


INVERSIONS + FIGURED BASS

14 Oct 2016

TYPES OF SEVENTH CHORDS



DOMINANT

MINOR

MAJOR

HALF-
DIMINISHED

FULLY-
DIMINISHED

MAJOR+m7

minor+m7

MAJOR+M7

dim+m7

dim+°7

C7

Cm7

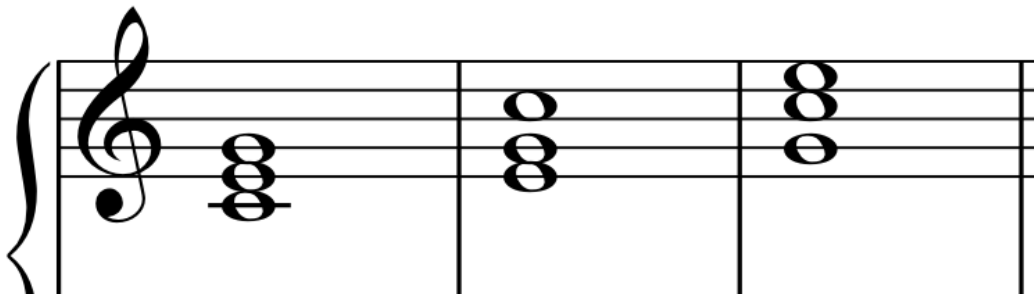
Cmaj7

Cø7

C°7

INVERSIONS of TRIADS

– Rearrange position of notes



POSITION: ROOT

1st Inversion

2nd Inversion

BASS: Root

3rd

5th

,

VOICING

All the chords in Example 3-6 are F major triads in first inversion. Notice that the upper notes of the chord can be spaced in any way without altering the bass position. Also, any of the notes can be duplicated (or **doubled**) in different octaves.

Example 3-6

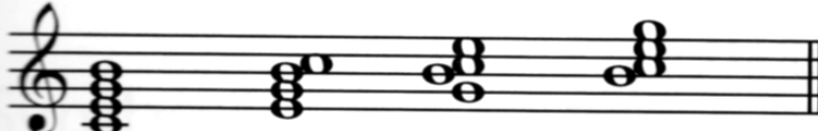
The image shows a musical score for four measures of music. The bass clef is on the bottom staff, and the treble clef is on the top staff. The bass line is constant across all measures, with a single note on the second line (G3). The treble line shows four different voicings of the F major triad in first inversion (G3, A3, C4):
1. Treble staff: G4, A4, C5 (all notes beamed together).
2. Treble staff: G4, A4, C5 (all notes beamed together).
3. Treble staff: G4, A4, C5 (all notes beamed together).
4. Treble staff: G4, A4, C5 (all notes beamed together).
In the fourth measure, the treble staff has a double bar line above the notes, indicating a double bar line.

(All are in first inversion)

Seventh Chord Inversions

The inversion of seventh chords works just like the inversion of triads, except that three inversions (four bass positions) are possible (Ex. 3-7).

Example 3-7



Root position First inversion Second inversion Third inversion

The image shows a single musical staff with a treble clef. It contains four chord diagrams. The first is the root position, with the root on the bottom line. The second is the first inversion, with the root on the second space. The third is the second inversion, with the root on the third space. The fourth is the third inversion, with the root on the fourth space. Each chord is represented by a vertical line with dots indicating the notes.

VOICING inverted 7th chords

It is important to understand that the inversion of a triad or seventh chord is determined only by what member of the chord is in the *bass*; any chord members may appear in the soprano or in the other voices without changing the inversion.

The image displays six musical voicings of a triad on a grand staff (treble and bass clefs). The notes are arranged as follows:

- Root:** Bass clef has two notes (root and third); Treble clef has two notes (fifth and root).
- Root:** Bass clef has one note (root); Treble clef has three notes (third, fifth, and root).
- Root:** Bass clef has one note (root); Treble clef has three notes (root, third, and fifth).
- 1st inv:** Bass clef has two notes (root and third); Treble clef has two notes (fifth and root).
- 3rd inv:** Bass clef has two notes (root and third); Treble clef has two notes (fifth and root).
- 2nd inv:** Bass clef has one note (root); Treble clef has three notes (root, third, and fifth).

Labels below the staff: Root, Root, Root, 1st inv, 3rd inv, 2nd inv

Komm, süßer Tod!

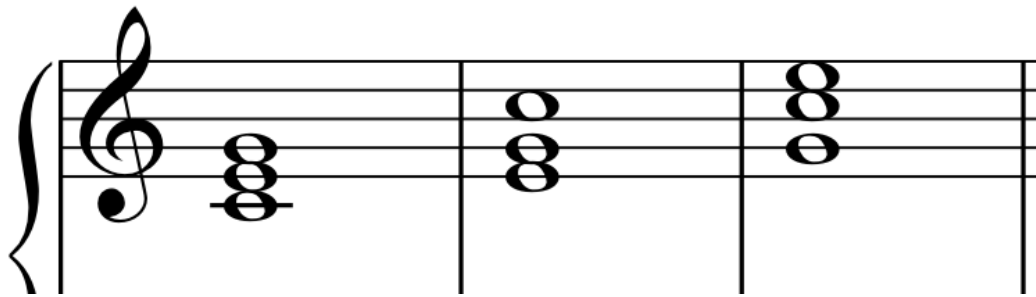
The image shows a musical score for the piece "Komm, süßer Tod!". It is written in 3/4 time and features a treble staff and a bass staff. The key signature has three flats (B-flat, E-flat, A-flat). The score includes a treble staff with a melody and a bass staff with a bass line. Below the bass staff, there is a line of figured bass notation: 6 5, 6 5 7, 4, 6 6, 6 5, 6 5. The piece concludes with a double bar line.

WHY not just write it out?!

1. Shorthand / code
— Bach wrote so much music it would have taken forever.
2. Like jazz, it allows for improvisation and embellishment, which was entirely the point in the Baroque era!

INVERSIONS of TRIADS

Figured bass shows each note's interval above the bass



POSITION:	ROOT	1 st Inversion	2 nd Inversion
FB:	5 3	6 3	6 4

FIGURED BASS

Triads and Seventh Chords

Sonority desired							
Complete figured bass symbol	5 3	6 3	6 4	7 5 3	6 5 3	6 4 3	6 4 2
Symbol most often used		6	6 4	7	6 5	4 3	4 2
How to find the root	Bass note	6th above bass	4th above bass	Bass note	6th above bass	4th above bass	2nd above bass

If you have trouble finding root, rearrange to see it in root position (all 3rds)

BPS?

- Bass position symbol = figured bass notation

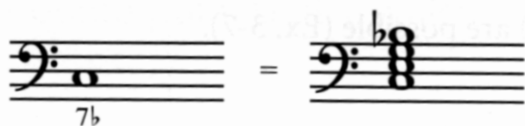
What happens when there's an accidental?

- If the 3rd is altered, write the accidental instead of “3”
- If any other number is raised, write a sharp/natural after it or a slash through the number
- If any other number is lowered, write a flat or natural after it

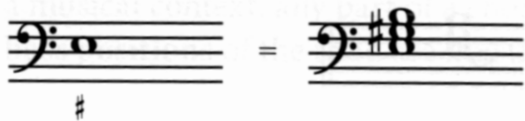
What happens when there's an accidental?

player to raise or lower a note.

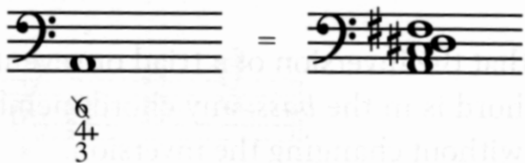
1. An accidental next to an arabic numeral in the figured bass could be used to raise or lower a note.



2. An accidental by itself always referred to the 3rd above the bass and could be used to alter that note.



3. A slash or plus sign in connection with an arabic numeral meant to raise that note.



Komm, süßer Tod!

The image shows a musical score for the piece "Komm, süßer Tod!". The score is written in 3/4 time and consists of two staves: a treble staff and a bass staff. The key signature is three flats (B-flat, E-flat, A-flat). The piece is in 3/4 time. The bass staff includes fingerings: 6 5, 6 5 7, 4, 6 6, 6 6 5, and 6 5. The piece ends with a double bar line.

Komm, süßer Tod!

Handwritten musical score for "Komm, süßer Tod!" in C minor, 3/4 time. The score includes a treble and bass staff with notes, chords, and fingerings. Handwritten annotations include "not chord tone" pointing to a D natural in the first measure and a circled 5-7 fingering in the second measure. Chord labels include Cm, Bb/D, D°, Eb, Cm, D7/F, Fm7, G, Cm/Eb, G/B, Cm, A/c, Bb7/D, Eb, Fm7/A, Bb, and Eb.

Chord progression: Cm Bb/D D° Eb Cm D7/F Fm7 G Cm/Eb G/B Cm A/c Bb7/D Eb Fm7/A Bb Eb

Fingerings (Bass staff): Cm: 5/3, 6/3, 5/3, 9/3, 5/3, 6/3, 5/7, (3)4, 6/3, 6/3, 5/3, 6/3, 6/3, 5/3, 6/3, 5/3, 5/3, 5/3

Annotations: "not chord tone" (pointing to D°), "not chord tone" (pointing to Bb7/D).