

Musical MIDI Accompaniment



Chord Reference Manual

This document was prepared from version 19.08 of MIA.

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Chapter 1

Chord Reference

This document is a reference to the chords and scales use in *MtA*. It has been generated directly from the module `chordtable.py` in the *MtA* sources. Each section shows the chord name, a brief description, the chord notes for a “C” chord, and the associated scale tones. These chords and scales are used in *MtA* to generate chords, bass, arpeggios, arias, harmonies and scales.

In all cases you will need to preface the name with a chord pitch. For example, the reference for an 11th chord is listed simply as “11”; you would use a “C11” or “Eb11”, etc. in your *MtA* source file. Read the *MtA* Reference Guide if you don’t understand this.

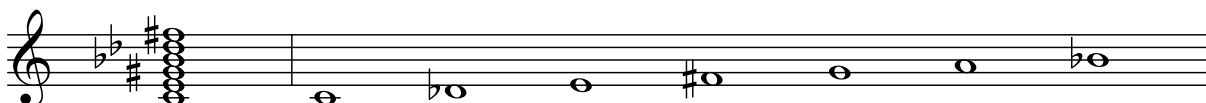
This document was prepared as a reference to verify the correctness of the chords and scales used in *MtA*. If you find an error, please let the author know.

MtA defines 98 unique chords plus 62 aliases. Chords used in *MtA* via aliased names are listed after the main name.

(b5) — Major triad with flat 5th. MMA notation requires the () around the name.



+7b9#11 — Augmented 7th with flat 9th and sharp 11th.



11 — 9th chord plus 11th (3rd not voiced).



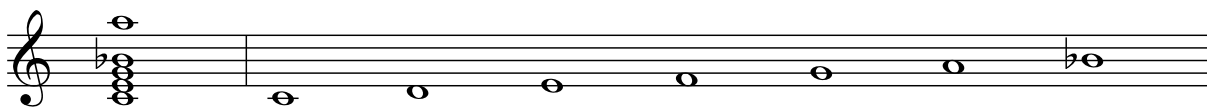
11+, 11 \sharp 5 — Augmented 11th (sharp 5).



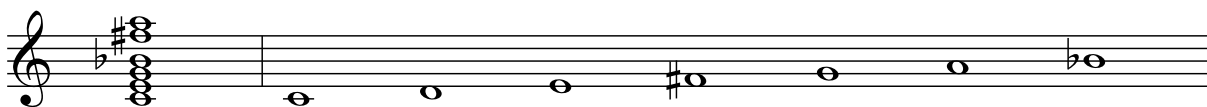
11 \flat 9 — 7th chord plus flat 9th and 11th.



13 — 7th (including 5th) plus 13th (the 9th and 11th are not voiced).



13 \sharp 11 — 7th plus sharp 11th and 13th (9th not voiced).



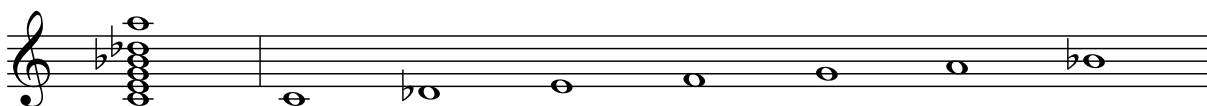
13 \sharp 9 — 7th (including 5th) plus 13th and sharp 9th (11th not voiced).



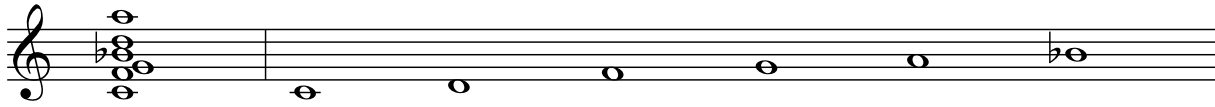
13 \flat 5 — 7th with flat 5th, plus 13th (the 9th and 11th are not voiced).



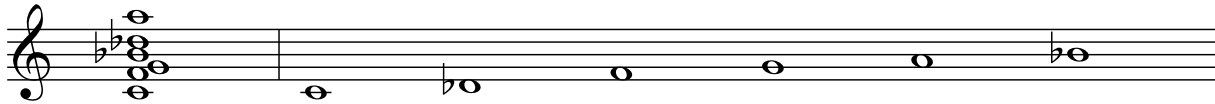
13 \flat 9, M7(add13) — 7th (including 5th) plus 13th and flat 9th (11th not voiced).



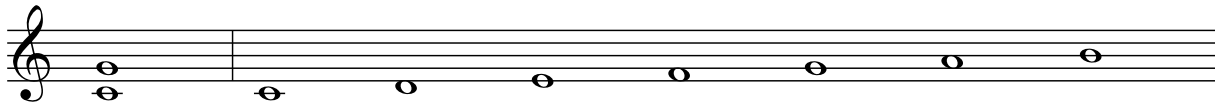
13sus, 13sus4 — 7sus, plus 9th and 13th



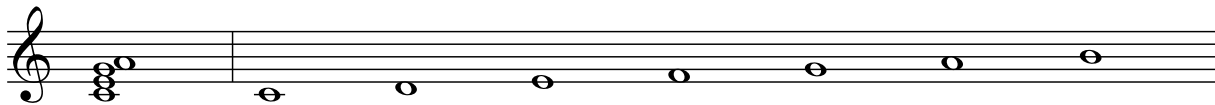
13susb9 — 7sus, plus flat 9th and 13th



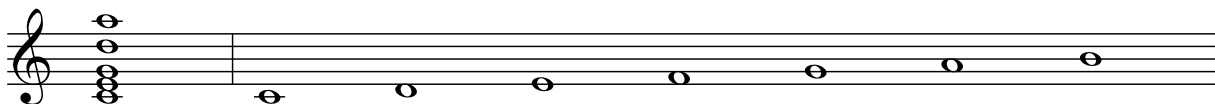
5 — Altered Fifth or Power Chord; root and 5th only.



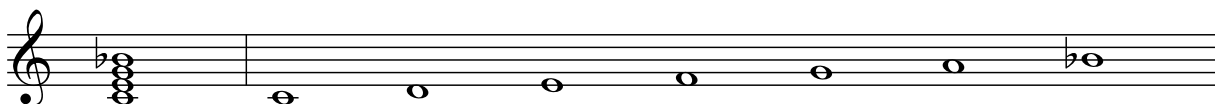
6, M6 — Major triad with added 6th.



6(add9), 69 — 6th with added 9th. This is sometimes notated as a slash chord in the form “6/9”.



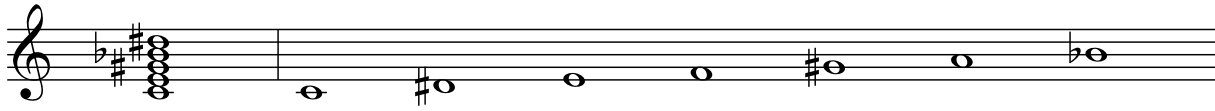
7 — 7th.



7#11 — 7th plus sharp 11th (9th omitted).



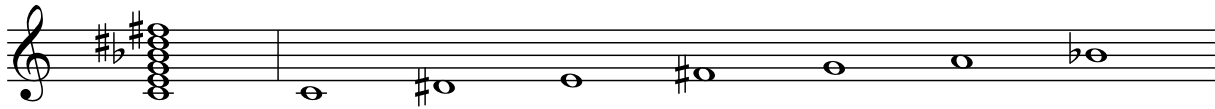
7 \sharp 5 \sharp 9 — 7th with sharp 5th and sharp 9th.



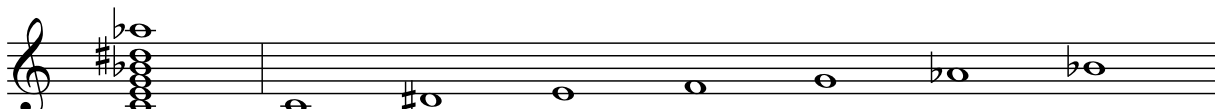
7 \sharp 9, 7+9 — 7th with sharp 9th.



7 \sharp 9 \sharp 11 — 7th plus sharp 9th and sharp 11th.



7 \sharp 9 \flat 13 — 7th with sharp 9th and flat 13th.



7(6) — 7th with added 6th.



7(add13) — 7th with added 13th.



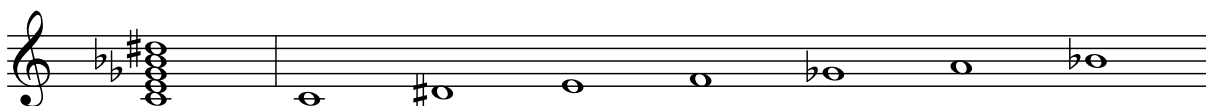
7 \flat 13 — 7th (including 5th) plus flat 13th (the 9th and 11th are not voiced).



7 \flat 5, 7-5 — 7th, flat 5.



7 \flat 5 \sharp 9 — 7th with flat 5th and sharp 9th.



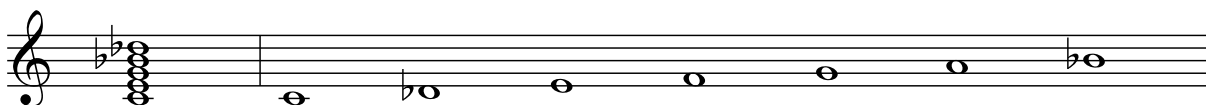
7 \flat 5(add13) — 7th with flat 5 and 13th.



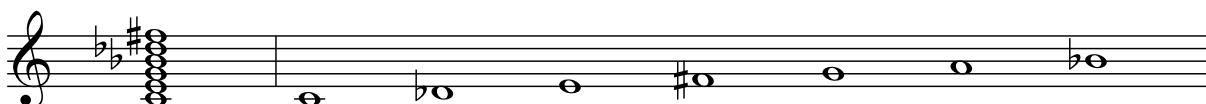
7 \flat 5 \flat 9, 7alt — 7th with flat 5th and flat 9th.



7 \flat 9, 7-9 — 7th with flat 9th.



7 \flat 9 \sharp 11 — 7th plus flat 9th and sharp 11th.



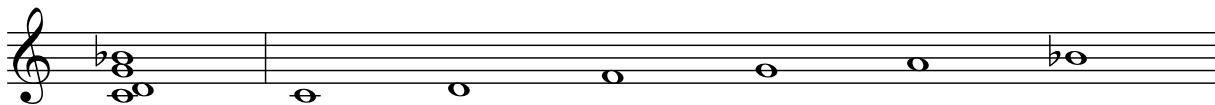
7omit3, 7(omit3) — 7th with unvoiced 3rd.



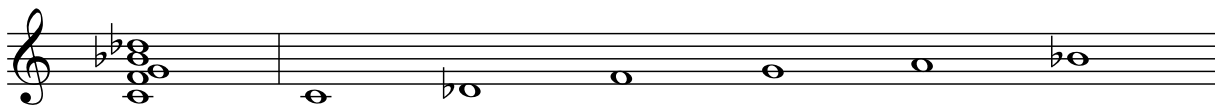
7sus, 7sus4 — 7th with suspended 4th, dominant 7th with 3rd raised half tone.



7sus2 — A sus2 with dominant 7th added.



7susb9, 7b9sus — 7th with suspended 4th and flat 9th.



9 — 7th plus 9th.



9#11 — 7th plus 9th and sharp 11th.



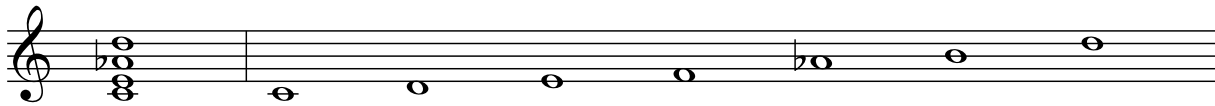
9#5, aug9, 9+, +9, 9+5 — 7th plus 9th with sharp 5th (same as aug9).



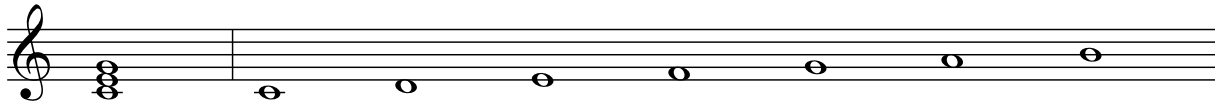
9 \flat 5, 9-5 — 7th plus 9th with flat 5th.



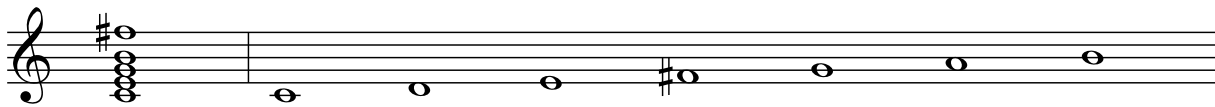
9 \flat 6 — 9th with flat 6 (no 5th or 7th).



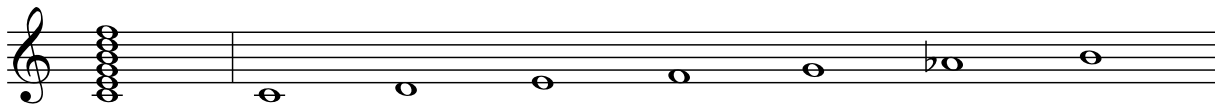
M — Major triad. This is the default and is used in the absence of any other chord type specification.



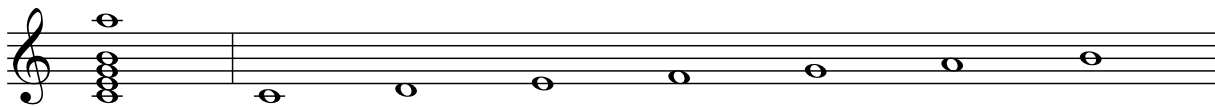
M \sharp 11 — Major triad plus sharp 11th.



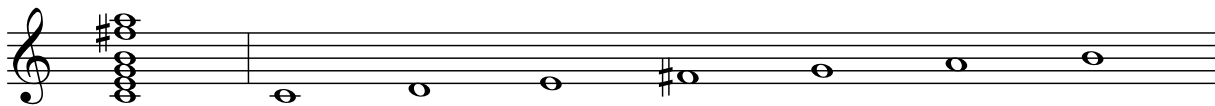
M11 — Major 9th plus 11th.



M13, maj13 — Major 7th (including 5th) plus 13th (9th and 11th not voiced).



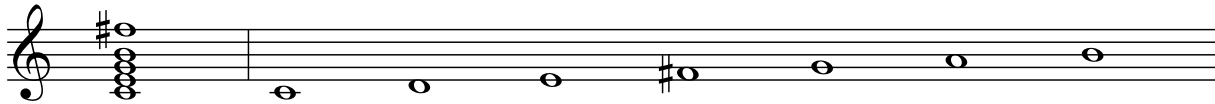
M13 \sharp 11 — Major 7th plus sharp 11th and 13th (9th not voiced).



M7, maj7 — Major 7th.



M7[#]11 — Major 7th plus sharp 11th (9th omitted).



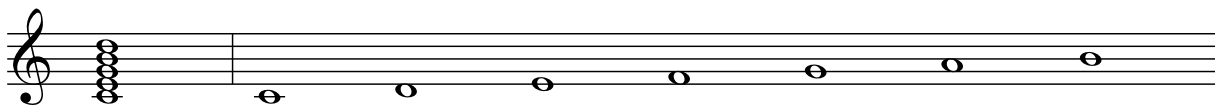
M7[#]5, +M7, M7+5 — Major 7th with sharp 5th.



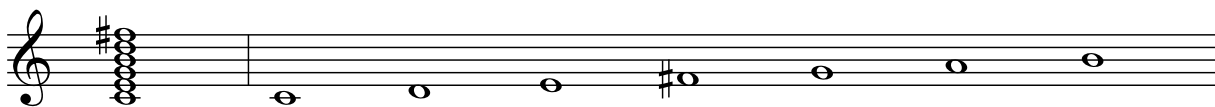
M7^b5, M7-5 — Major 7th with a flat 5th.



M9, maj9 — Major 7th plus 9th.



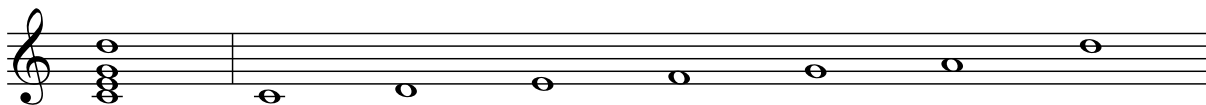
M9[#]11 — Major 9th plus sharp 11th.



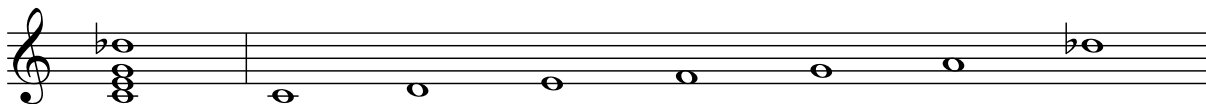
add[#]9, (add[#]9) — Major chord plus sharp 9th (no 7th.)



add9, (add9) — Major chord plus 9th (no 7th.)



add \flat 9, (add \flat 9) — Major chord plus flat 9th (no 7th.)



aug, +, (\sharp 5) — Augmented triad.



aug7, +7, 7+, 7 \sharp 5, 7+5 — An augmented chord (raised 5th) with a dominant 7th.



aug7 \sharp 9, +7 \sharp 9 — An augmented chord (raised 5th) with a dominant 7th and sharp 9th.



aug7 \flat 9, +7 \flat 9, 7 \sharp 5 \flat 9 — An augmented chord (raised 5th) with a dominant 7th and flat 9th.



aug9M7, +9M7 — An augmented chord (raised 5th) with a major 7th and 9th.



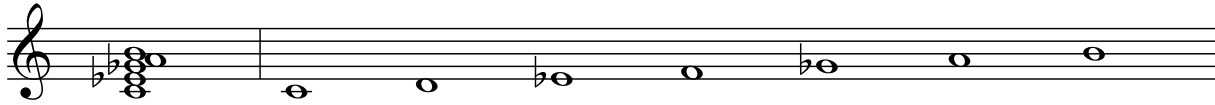
dim(b13) — Diminished seventh, added flat 13th.



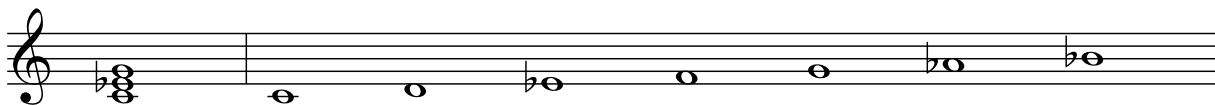
dim7, dim, ° — Diminished seventh.



dim7(addM7), °(addM7) — Diminished triad with added Major 7th.



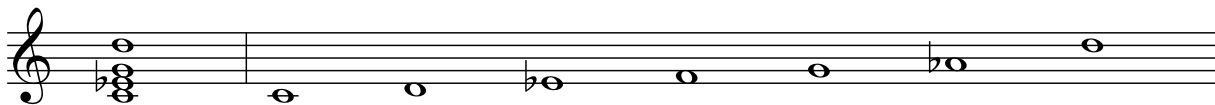
m — Minor triad.



m#5, m+5, m+ — Minor triad with augmented 5th.



m(sus9), m(add9) — Minor triad plus 9th (no 7th).



m+7#9 — Augmented minor 7 plus sharp 9th.



m+7^b9 — Augmented minor 7 plus flat 9th.



m+7^b9[#]11 — Augmented minor 7th with flat 9th and sharp 11th.



m11 — 9th with minor 3rd, plus 11th.



m11^b5 — Minor 7th with flat 5th plus 11th.



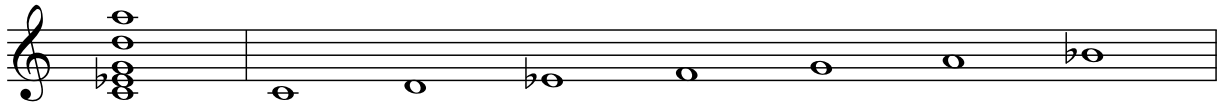
m13 — Minor 7th (including 5th) plus 13th (9th and 11th not voiced).



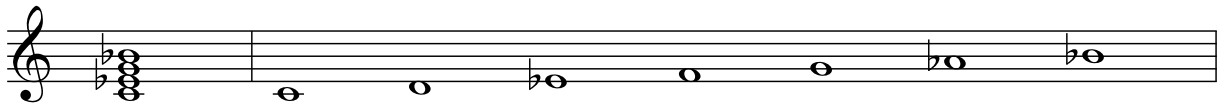
m6 — Minor 6th (flat 3rd plus a 6th).



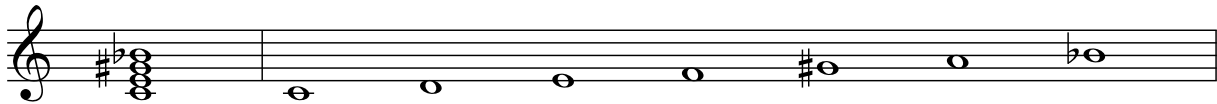
m6(add9), m69 — Minor 6th with added 9th. This is sometimes notated as a slash chord in the form “m6/9”.



m7 — Minor 7th (flat 3rd plus dominant 7th).



m7#5 — Minor 7th with sharp 5th.



m7#9, m7(#9) — Minor 7th with added sharp 9th.



m7(add11) — Minor 7th plus 11th.



m7(add13) — Minor 7th plus 13th.



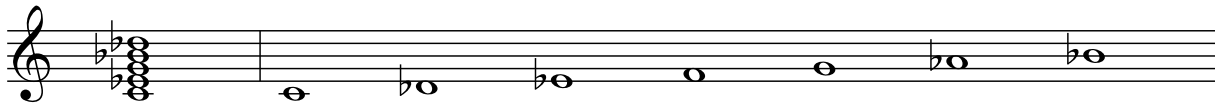
m7^b5, m7-5, ø — Minor 7th, flat 5 (aka 1/2 diminished).



m7^b5^b9 — Minor 7th with flat 5th and flat 9th.



m7^b9, m7(b9) — Minor 7th with added flat 9th.



m7^b9[#]11 — Minor 7th plus flat 9th and sharp 11th.



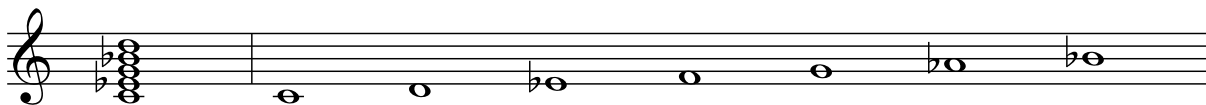
m7omit5, m7(omit5) — Minor 7th with unvoiced 5th.



m7sus4, m7sus — Minor suspended 4th, minor triad plus 4th and dominant 7th.



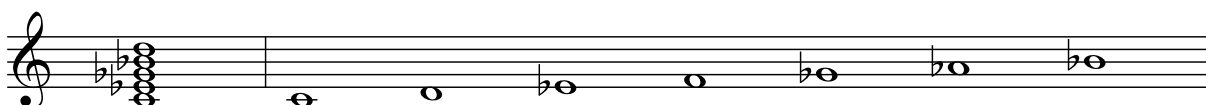
m9 — Minor triad plus 7th and 9th.



m9#11 — Minor 7th plus 9th and sharp 11th.



m9b5 — Minor triad, flat 5, plus 7th and 9th.



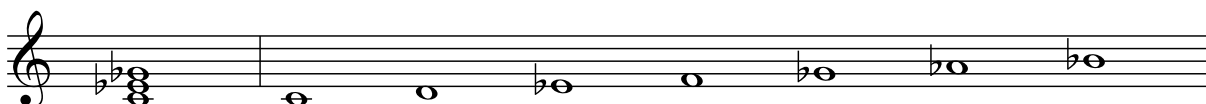
mM7, m(maj7), m+7, min(maj7), min#7, m#7 — Minor Triad plus Major 7th. You will also see this printed as “m(maj7)”, “m+7”, “min(maj7)” and “min#7” (which *MuA* accepts); as well as the *MuA* invalid forms: “-(Δ7)”, and “minb7”.



mM7(add9) — Minor Triad plus Major 7th and 9th.



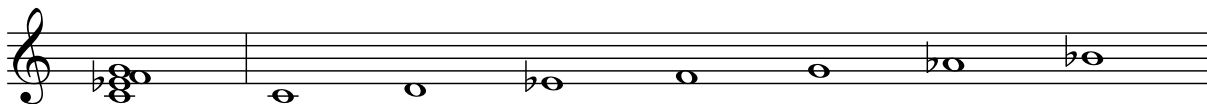
mb5, m(b5), °3, dim3 — Minor triad with flat 5th (aka dim).



m^b9 — Minor chord plus flat 9th (no 7th.)



msus4, msus — Minor suspended 4th, minor triad plus 4th.



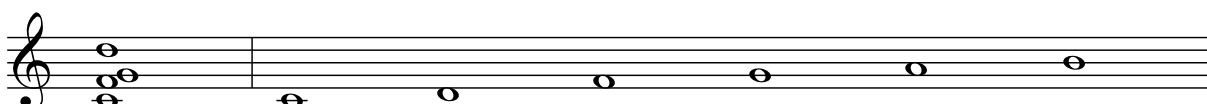
omit3add9, omit3(add9) — Triad: root, 5th and 9th.



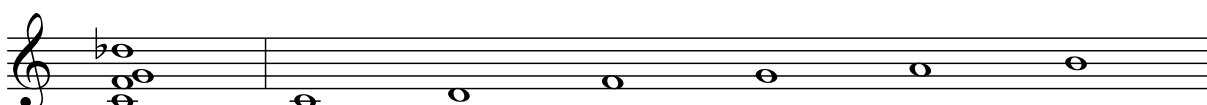
sus(add#9) — Suspended 4th, major triad with the 3rd raised half tone plus sharp 9th.



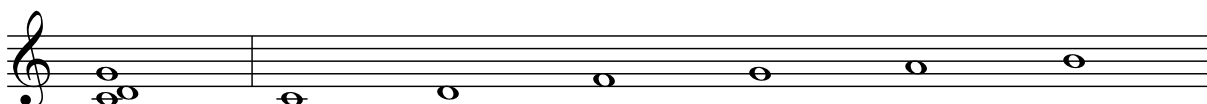
sus(add9) — Suspended 4th, major triad with the 3rd raised half tone plus 9th.



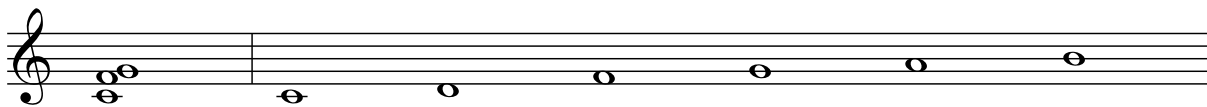
sus(addb9) — Suspended 4th, major triad with the 3rd raised half tone plus flat 9th.



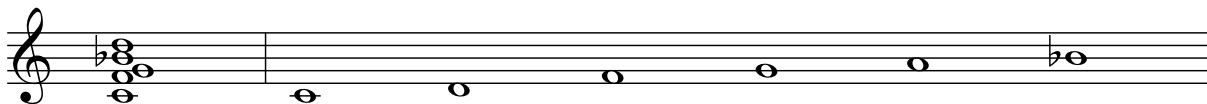
sus2 — Suspended 2nd, major triad with the major 2nd above the root substituted for 3rd.



sus4, sus — Suspended 4th, major triad with the 3rd raised half tone.



sus9, 9sus, 9sus4 — 7sus plus 9th.



Appendix A

Index of Chords