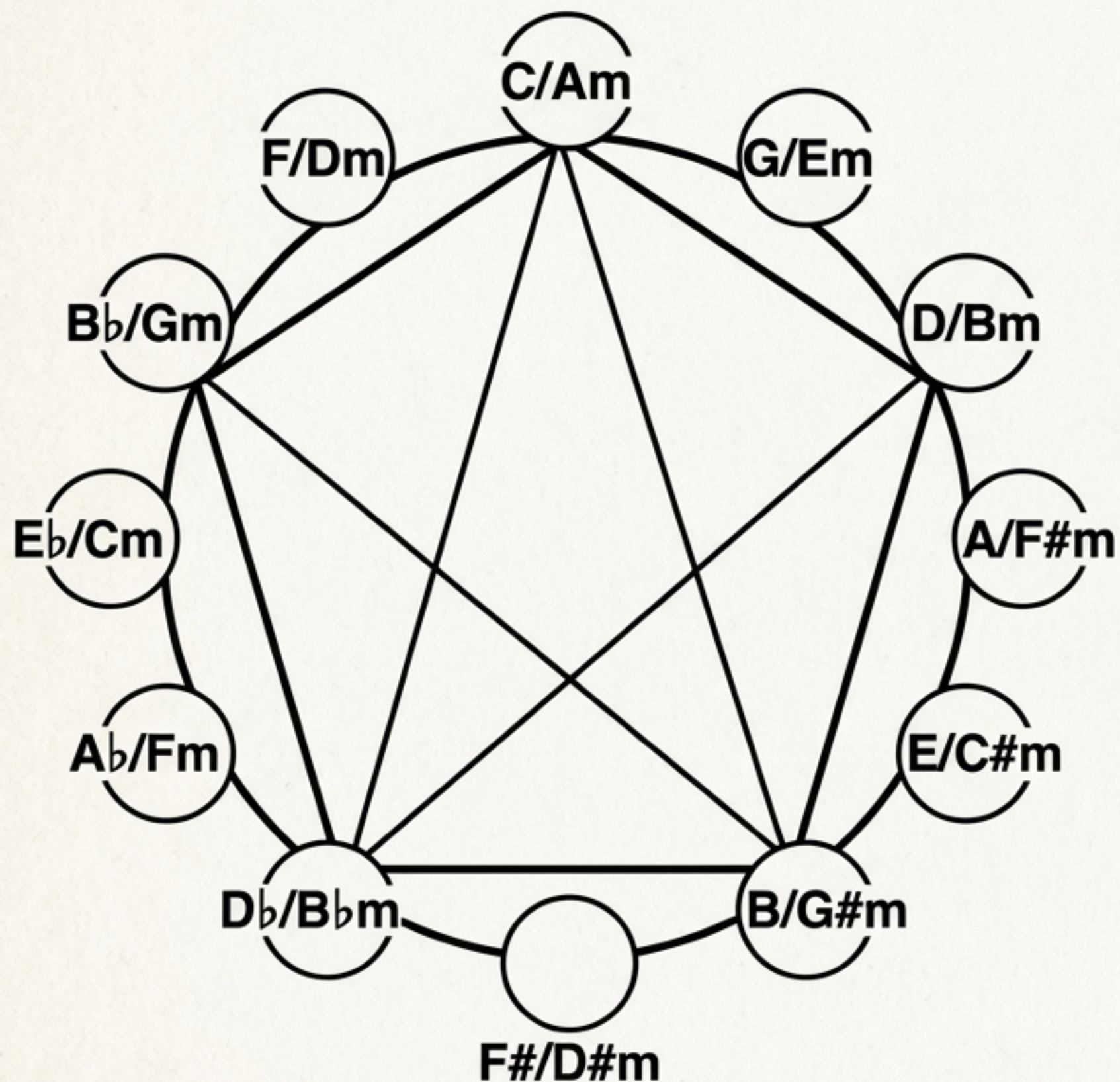




Major & Minor Keys Harmonic Patterns

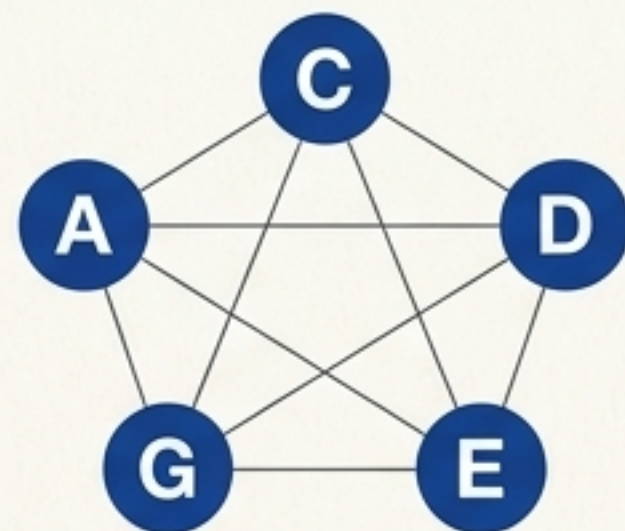
A Transposed Reference Matrix
for Pentatonic Chord Applications

$$\boxed{A + C\#} + \boxed{C - D - E - G - A} = A7\#9$$

A single collection of notes—like the C major pentatonic scale—functions across multiple chord qualities. The five scale tones (blue) remain constant; the changing bass and shell tones (grey) dictate the final harmonic structure.

1. C Major

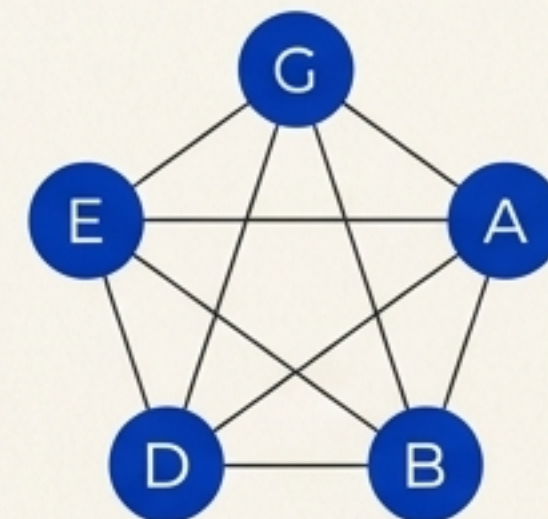
Pentatonic: C D E G A



Am7 A C E G	A7#9 A C# E G C	Bphryg. B C E G A	FMaj9 F A C E G
Fm(Maj9) F Ab C E G	Gdim7(add11) G Bb Db E C	Dm11 D F A C E G	D13sus D G A B C E
Edim7(add13) E G Bb Db C	BbMaj13(#11) Bb D F A C E G	Bb13(#11) Bb D F Ab C E G	Dbdim(Maj7) Db E G C
Gm13 G Bb D F A C E	G13sus G C D F A E	Gbm7b5b9 Gb A C E G	Em7#5 E G B C D
E7#5#9 E G# C D G	Bbdim9 Bb Db E G C	AbMaj7#5 Ab C E G	Eb13b9 Eb G Bb Db C E

2. G Major

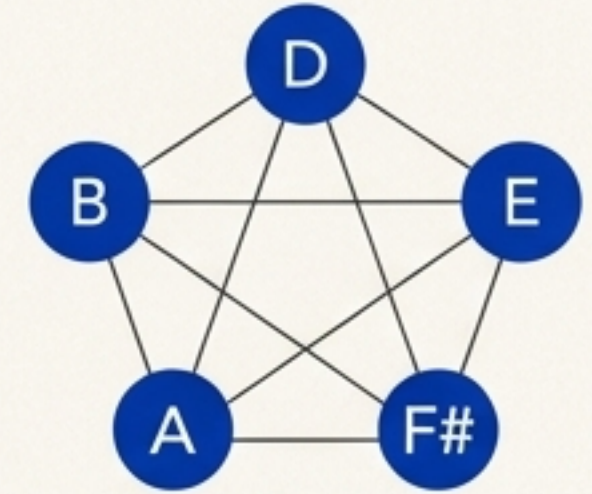
Pentatonic: G A B D E



Em7: E G B D	E7#9: E G# B D G	F#phryg.: F# G B D E	CMaj9: C E G B D
Cm(Maj9): C Eb G B D	Ddim7(add11): D F Ab B G	Am11: A C E G B D	A13sus: A D E F# G
Bdim7(add13): B D F Ab G	FMaj13(#11): F A C E G B D	F13(#11): F A C Eb G B D	Abdim(Maj7): Ab B D G
Dm13: D F A C E G B	D13sus: D G A C E B	Dbm7b5b9: Db E G B D	Bm7#5: B D F# G A
B7#5#9: B D# G A D	Fdim9: F Ab B D G	EbMaj7#5: Eb G B D	Bb13b9: Bb D F Ab G B

3. D Major

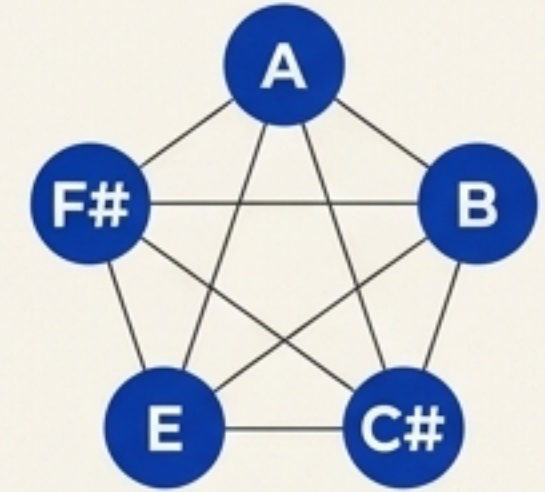
Pentatonic: D E F# A B



Bm7 B D F# A	B7#9 B D# F# A D	C#phryg.. C# D F# A B	GMaj9 G B D F# A
Gm(Maj9) G Bb D F# A	Adim7(add11) A C Eb F# D	Em11 E G B D F# A	E13sus E A B C# D F#
F#dim7(add13) F# A C Eb D	CMaj13(#11) C E G B D F# A	C13(#11) C E G Bb D F# A	Ebdim(Maj7) Eb F# A D
Am13 A C E G B D F#	A13sus A D E G B F#	Abm7b5b9 Ab B D F# A	F#m7#5 F# A C# D E
F#7#5#9 F# A# D E A	Cdim9 C Eb F# A D	BbMaj7#5 Bb D F# A	F13b9 F A C Eb D F#

4. A Major

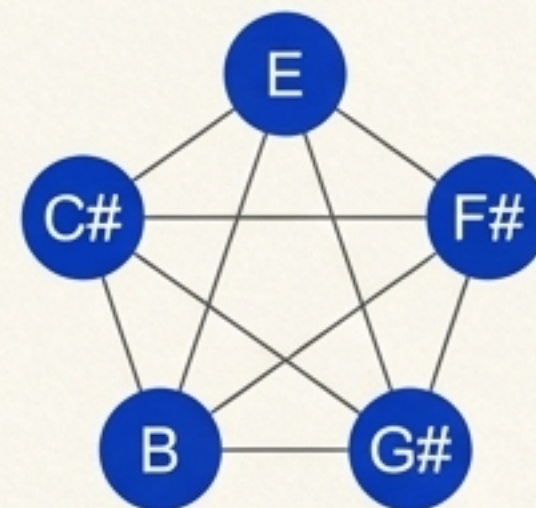
Pentatonic: A B C# E F#



F#m7: F# A C# E	F#7#9: F# A# C# E A	G#phryg.: G# A C# E F#	DMaj9: D F# A C# E
Dm(Maj9): D F A C# E	Edim7(add11): E G Bb C# A	Bm11: B D F# A C# E	B13sus: B E F# G# A C#
C#dim7(add13): C# E G Bb A	GMaj13(#11): G B D F# A C# E	G13(#11): G B D F A C# E	Bbdim(Maj7): Bb C# E A
Em13: E G B D F# A C#	E13sus: E A B D F# C#	Ebm7b5b9: Eb F# A C# E	C#m7#5: C# E G# A B
C#7#5#9: C# E# A B E	Gdim9: G Bb C# E A	FMaj7#5: F A C# E	C13b9: C E G Bb A C#

5. E Major

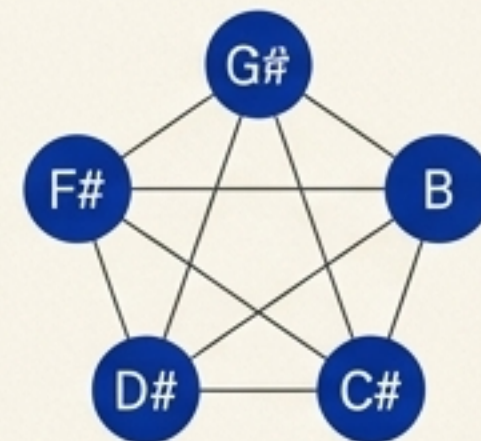
Pentatonic: E F# G# B C#



C#m7: C# E G# B	C#7#9: C# E# G# B E	D#phryg.: D# E G# B C#	AMaj9: A C# E G# B
Am(Maj9): A C E G# B	Bdim7(add11): B D F G# E	F#m11: F# A C# E G# B	F#13sus: F# B C# D# E G#
G#dim7(add13): G# B D F E	DMaj13(#11): D F# A C# E G# B	D13(#11): D F# A C E G# B	Fdim(Maj7): F G# B E
Bm13: B D F# A C# E G#	B13sus: B E F# A C# G#	Bbm7b5b9: Bb C# E G# B	G#m7#5: G# B D# E F#
G#7#5#9: G# B# E F# B	Ddim9: D F G# B E	CMaj7#5: C E G# B	G13b9: G B D F E G#

6. B Major

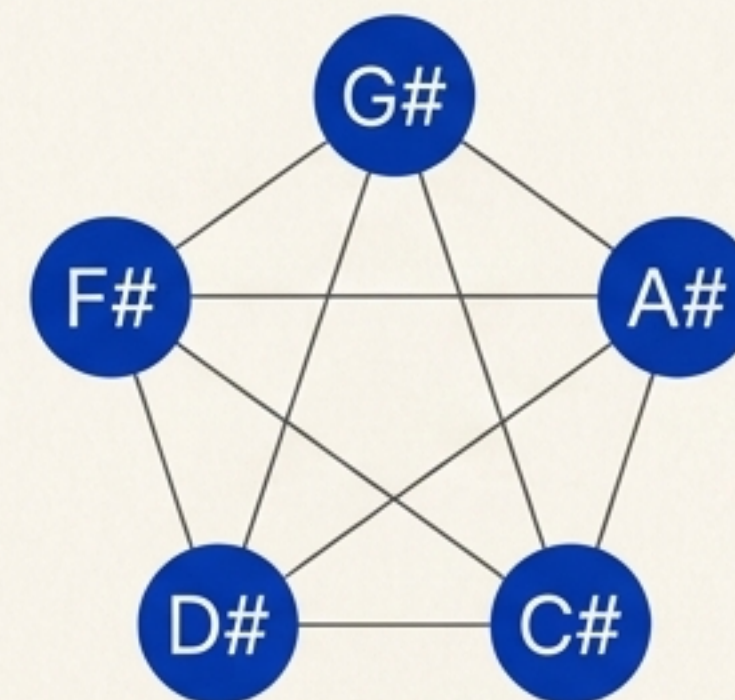
Pentatonic: B C# D# F# G#



G#m7: G# B D# F#	G#7#9: G# B# D# F# B	A#phryg.: A# B D# F# G#	EMaj9: E G# B D# F#
Em(Maj9): E G B D# F#	F#dim7(add11): F# A C D# B	C#m11: C# E G# B D# F#	C#13sus: C# F# G# A# B D#
D#dim7(add13): D# F# A C B	AMaj13(#11): A C# E G# F#	A13(#11): A C# E G B D# F#	Cdim(Maj7): C D# F# B
F#m13: F# A C# E G# B D#	F#13sus: F# B C# E G# D#	Em7b5b9: E G# B D# F#	D#m7#5: D# F# A# B C#
D#7#5#9: D# F## B C# F#	Adim9: A C D# F# B	GMaj7#5: G B D# F#	D13b9: D F# A C B D#

7. F# Major

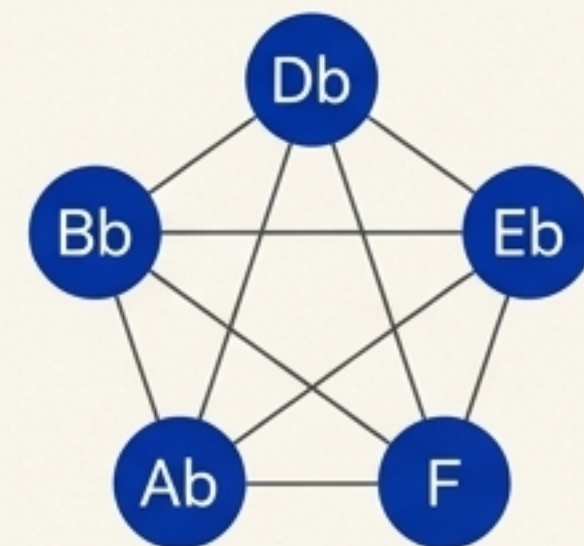
Pentatonic: F# G# A# C# D#



D#m7: D#m7: D# F# A# C#	D#7#9: D# F## A# C# F#	E#phryg.. E# F# A# C# D#	BMaj9: B D# F# A# C#
Bm(Maj9): B D F# A# C#	C#dim7(add11): C# E G A# F#	G#m11: G# B D# F# A# C#	G#13sus: G# C# D# E# F# A#
A#dim7(add13): A# C# E G F#	EMaj13(#11): E G# B D# F# A# C#	E13(#11): E G# B D F# A# C#	Fdim(Maj7): F A# C# F#
C#m13: C# E G# B D# F# A#	C#13sus: C# F# G# B D# A#	Am7b5b9: A C# E G# B	A#m7#5: A# C# E# F# G#
A#7#5#9: A# C## F# G# C#	Edim9: E G A# C# F#	DMaj7#5: D F# A# C#	A13b9: A C# E G F# A#

8. Db Major

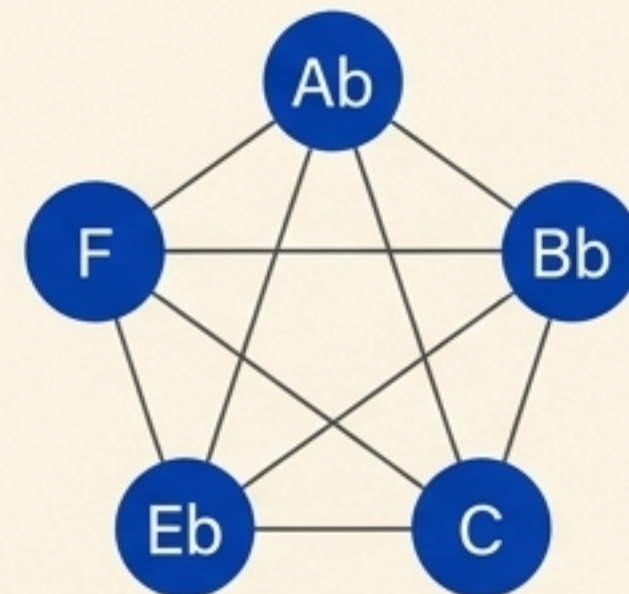
Pentatonic: Db Eb F Ab Bb



Bbm7: Bb Db F Ab	Bb7#9: Bb D F Ab Db	Cphryg.: C Db F Ab Bb	Gbmaj9: Gb Bb Db F Ab
Gbm(Maj9): Gb A Db F Ab	Abdim7(add11): Ab B D F Db	Ebm11: Eb Gb Bb Db F Ab	Eb13sus: Eb Ab Bb C Db F
Fdim7(add13): F Ab B D Db	Cbmaj13(#11): Cb Eb Gb Bb Db F Ab	Cb13(#11): Cb Eb Gb A Db F Ab	Ddim(Maj7): D F Ab Db
Abm13: Ab B Eb Gb Bb Db F	Ab13sus: Ab Db Eb Gb Bb F	Em7b5b9: E G Bb Db F	Fm7#5: F Ab C Db Eb
F7#5#9: F A Db Eb Ab	Bdim9: B D F Ab Db	AMaj7#5: A Db F Ab	E13b9: E Ab B D Db F

9. Ab Major

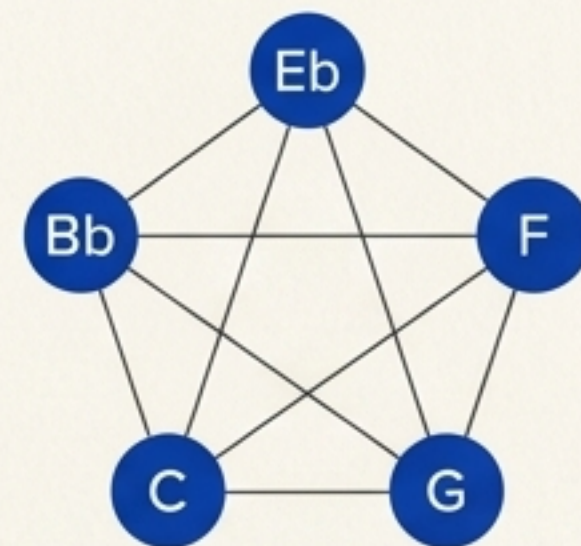
Pentatonic: Ab Bb C Eb F



Fm7: F F Ab C Eb	F7#9: F A C Eb Ab	Gphryg.: G Ab C Eb F	DbMaj9: Db F Ab C Eb
Dbm(Maj9): Db E Ab C Eb	Ebdim7(add11): Eb Gb A C Ab	Bbm11: Bb Db F Ab C Eb	Bb13sus: Bb Eb F G Ab C
Cdim7(add13): C Eb Gb A Ab	GbMaj13(#11): Gb Bb Db F Ab C Eb	Gb13(#11): Gb Bb Db E Ab C Eb	Adim(Maj7): A C Eb Ab
Ebm13: Eb Gb Bb Db F Ab C	Eb13sus: Eb Ab Bb Db F C	Am7b5b9: A C Eb G Bb	Cm7#5: C Eb G Ab Bb
C7#5#9: C E Ab Bb Eb	F#dim9: F# A C Eb Ab	EMaj7#5: E Ab C Eb	B13b9: B Eb F# A Ab C

10. Eb Major

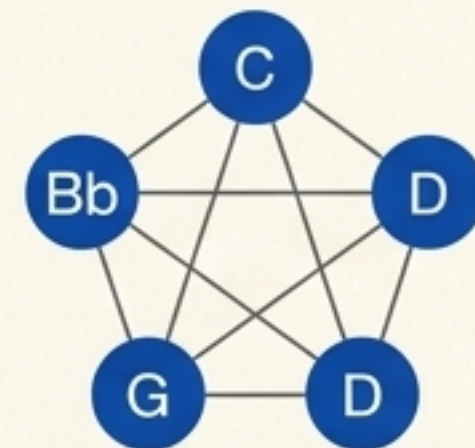
Pentatonic: Eb F G Bb C



Cm7: C Eb G Bb	C7#9: C E G Bb Eb	Dphryg.. D Eb G Bb C	AbMaj9: Ab C Eb G Bb
Abm(Maj9): Ab B Eb G Bb	Bbdim7(add11): Bb Db E G Eb	Fm11: F Ab C Eb G Bb	F13sus: F Bb C D Eb G
Gdim7(add13): G Bb Db E Eb	DbMaj13(#11): Db F Ab C Eb G Bb	Db13(#11): Db F Ab B Eb G Bb	Edim(Maj7): E G Bb Eb
Bbm13: Bb Db F Ab C Eb G	Bb13sus: Bb Eb F Ab C G	Em7b5b9: E G Bb D F	Gm7#5: G Bb D Eb F
G7#5#9: G B Eb F Bb	C#dim9: C# E G Bb Eb	BMaj7#5: B Eb G Bb	F#13b9: F# Bb C# E Eb G

11. Bb Major

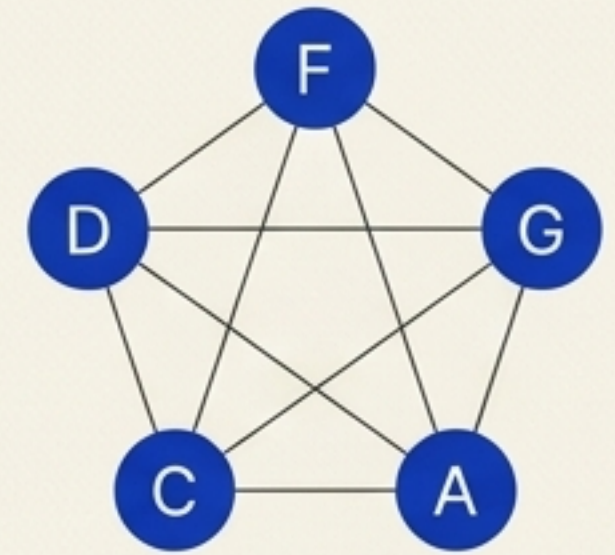
Pentatonic: Bb C D F G



Gm7: G Bb D F	G7#9: G B D F Bb	Aphryg.: A Bb D F G	Ebmaj9: Eb G Bb D F
Ebm(Maj9): Eb F# Bb D F	Fdim7(add11): F Ab B D Bb	Cm11: C Eb G Bb D F	C13sus: C F G A Bb D
Ddim7(add13): D F Ab B Bb	AbMaj13(#11): Ab C Eb G Bb D F	Ab13(#11): Ab C Eb F# Bb D F	Bdim(Maj7): B D F Bb
Fm13: F Ab C Eb G Bb D	F13sus: F Bb C Eb G D	Bm7b5b9: B D F A C	Dm7#5: D F A Bb C
D7#5#9: D F# Bb C F	G#dim9: G# B D F Bb	GMaj7#5: G Bb D F	C#13b9: C# F G# B Bb D

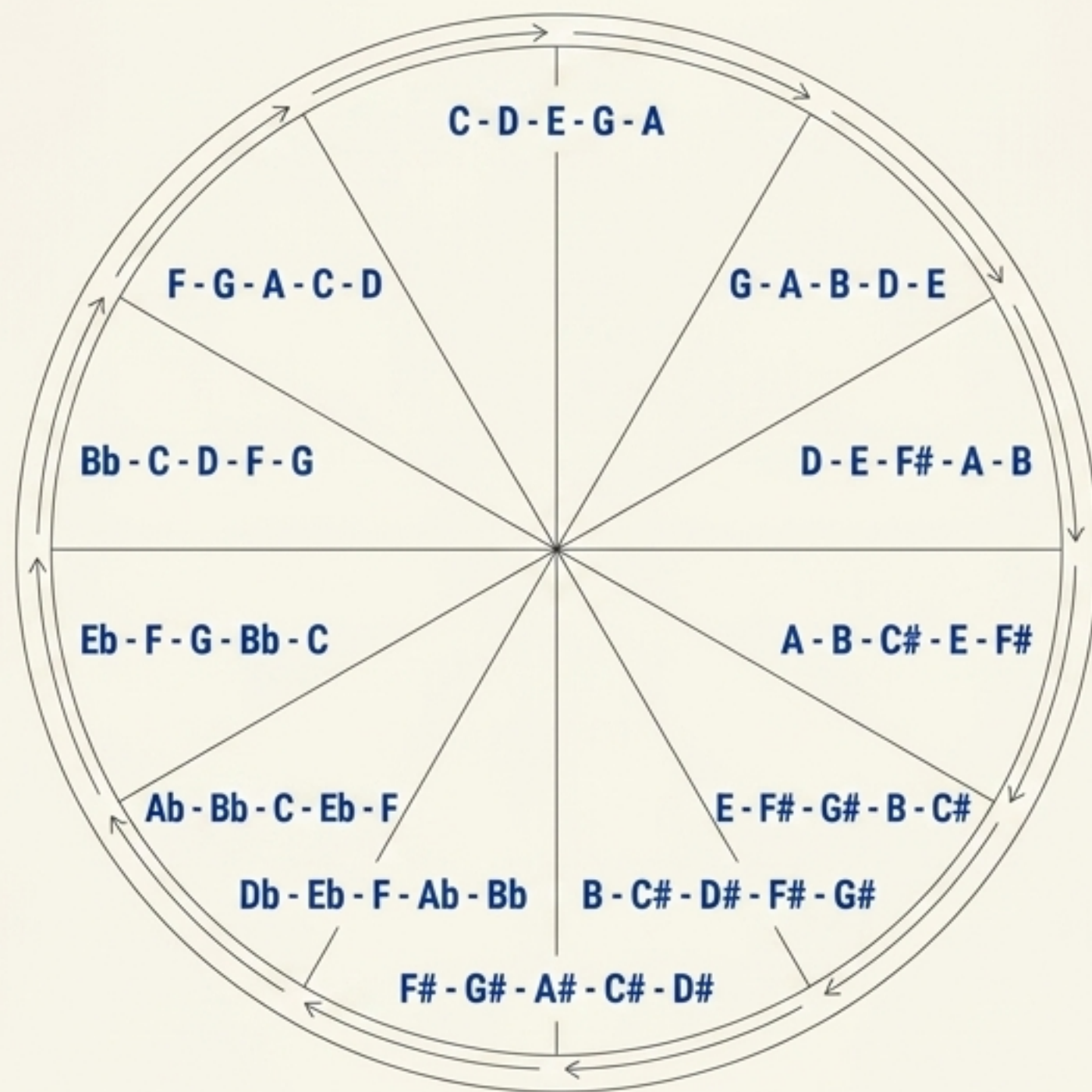
12. F Major

Pentatonic: F G A C D



Dm7: D F A C	D7#9: D F# A C * F	Ephryg.: E F A C * D	BbMaj9: Bb D F A * C
Bbm(Maj9): Bb Db F * A * C	Cdim7(add11): C Eb Gb A F	Gm11: G Bb D F A * C	G13sus: G C D E F * A
Adim7(add13): A * C Eb Gb F	EbMaj13(#11): Eb * G Bb D F * A * C	Eb13(#11): Eb * G Bb Db F * A * C	F#dim(Maj7): F# * A * C ** F
Cm13: C Eb * G Bb D F * A	C13sus: C * F * G Bb D * A	F#m7b5b9: F# * A * C * E ** G	Am7#5: A * C E F * G
A7#5#9: A * C# * F ** G ** C	D#dim9: D# F# ** A * C ** F	EbMaj7#5: Eb * G * B ** D	G#13b9: G# ** C D# F# ** F ** A

The Pentatonic Cycle



A unified view of harmonic translation. Moving clockwise through the circle, the pentatonic architecture shifts by a single note, continuously generating new upper-structure chord possibilities across all 12 keys.