Bulgarian Harmony I

Meeting 2

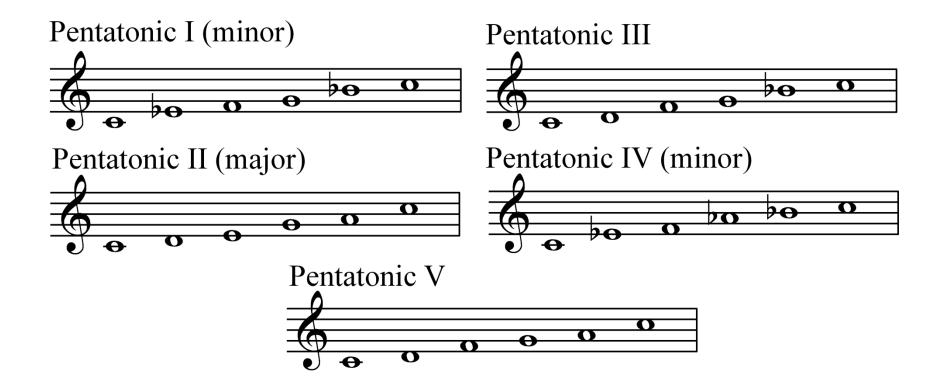


Scales: The Established Scholarly Approach

Pentatonic Collections Diatonic Collections Chromatic Collections Enharmonic Collections

Pentatonic Scales

Anhemitonic Pentatonics



Example 1. Anhemitonic Pentatonics

Transitional Pentatonic Scales

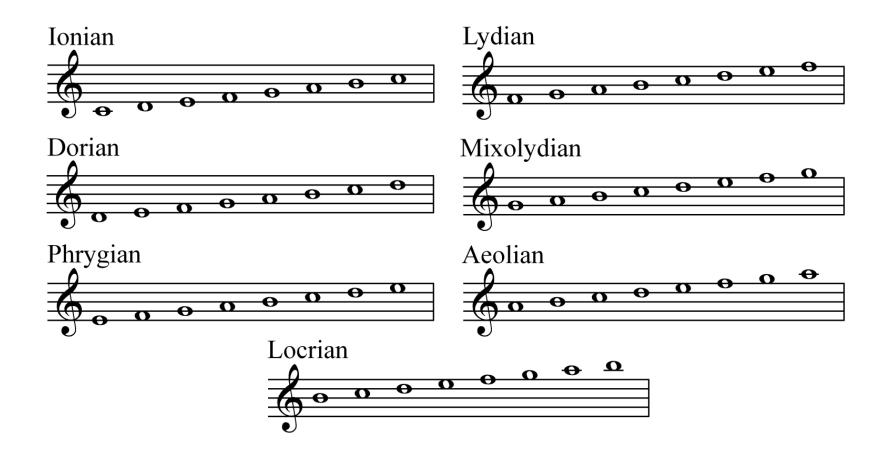


Example 2. Transitional Minor Pentatonic from D

The Easiest Way to Construct

95% of the Pentatonic – Based Bulgarian Folk Songs Are in Minor Pentatonic, Type I Minor Pentatonic, Type I – construct Natural Minor (Aeolian) without scale degrees 2 and 6

Diatonic Modes



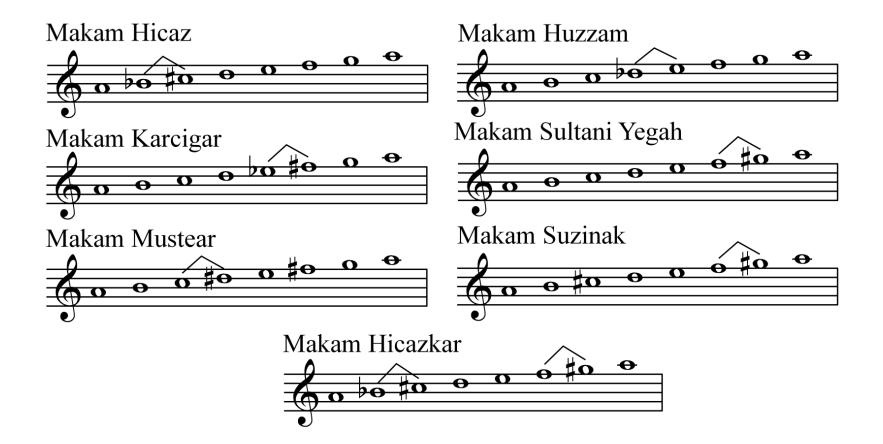
Example 3. Diatonic Modes after Glarean

The Easiest Way to Construct Diatonic Modes

Major Category Ionian- Natural major Lydian - Natural major with #4 Mixolydian - Natural major with b7

Minor Category Aeolian – Natural Minor Phrygian – Natural Minor with b2 Dorian – Natural Minor with #6 Locrian - Natural Minor with b2 and b5 (not used in practice)

Chromatic Scales (Non-Microtonal Makams)



Example 4. Chromatic Scales (Non-Microtonal Makams) According to the Classification of Stoyan Dzhudzhev

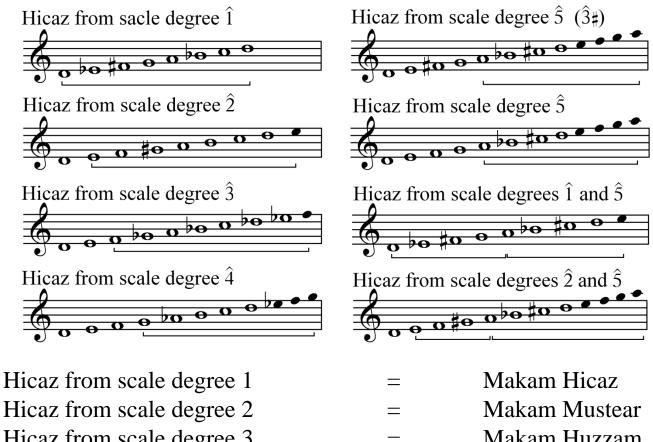
The Easiest Way to Construct

Focus on 3 Makams: Hicaz, Mustear, Karcigar

Hicaz – 5th mode of Harmonic Minor or Harmonic Minor starting on scale degree 5.
Mustear – Dorian with #4
Karcigar – Natural Minor with Hicaz starting from scale degree 4.
You can also think of this makam as a plagal version of Hicaz.

Hicazkar - two Hicaz (Chromatic) tertrachords separated by a whole step (not typical for the Slavic population of Bulgaria)
Sultani Yegah – The same scale as Harmonic Minor. For simplicity, we will call it Harmonic Minor

Transposing Makams



Hicaz from scale degree 3 Hicaz from scale degree 4 =Hicaz from scale degree 5 (in major) =Hicaz from scale degree 5 (in minor) \equiv

Hicaz from scale degrees 1 and 5

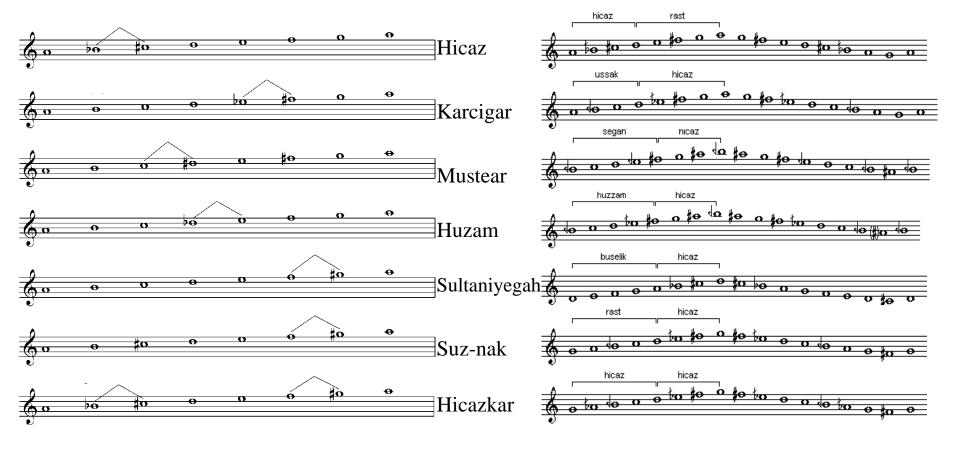
- Makam Huzzam
 - Makam Karcigar
 - Makam Suzinak
 - Makam Sultani Yegah
 - Makam Hicazkar

Example 5. Bulgarian Makams Related by Transposition

Chromatic Scales (Makams)

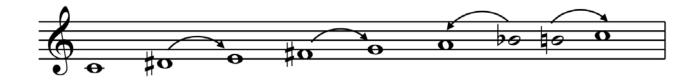
Bulgarian Non-Microtonal Makams

Turkish Microtonal Makams



Example 6. Bulgarian Makams Compared to Turkish Makams

The "Missing" Makam



Example 7. Second Mode of Makam Hicaz

Microtonal Makams (Encharmonic Collections)

Other Microtonal Collections

<u>Vocal in Instrumental Polyphony in</u> <u>Bulgarian Folk Music</u>



Vocal and Instrumental Polyphony

Steady Drones

The category of steady drones subdivides into five main types:

- 1. Drone on the same pitch as the finalis (CD, Track 1)
- 2. Drone a fourth below the finalis (CD, Track 2)
- 3. Drones on the same pitch as the finalis and a fourth below (CD, Track 3)
- 4. Drone a fifth below the finalis (CD, Track 4)
- 5. Drones on the same pitch as the finalis and a fifth below

Variable Drones

- 1. Drone on scale degree 1 (finalis) interchanged with the subtonic 7 (CD, Track 5)
- 2. Variable drone in minor between scale degrees 3 and 1, where 1 is the finalis (CD, Track 6)
- 3. Variable drone 4 1, which implies two possible tonics

Three Part Singing (CD, Track 7)

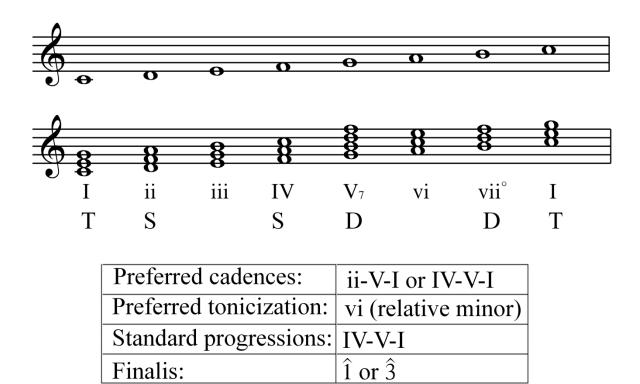
Chord Derivation and Harmonic Vocabularies in Bulgarian Folk Music



CHORD DERIVATION ANC CHORDAL VOCABULARIES FOR MAJOR SCALES

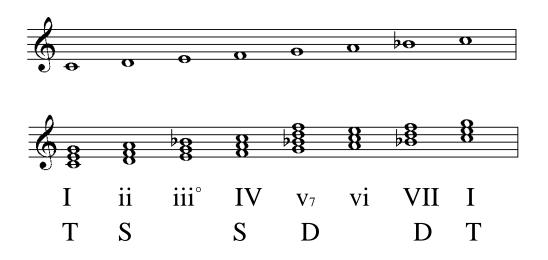
(only scales found in harmonized repertoire)

Chord Derivation: Ionian Mode



Example 21. Chordal Vocabulary in Ionian Mode

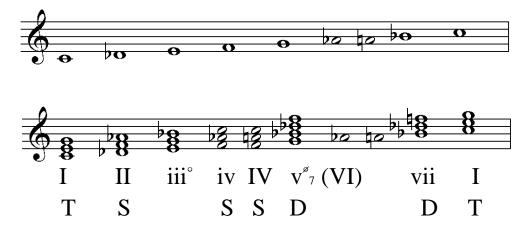
Chord Derivation: Mixolydian (Northeastern Bulgaria)



Preferred cadences:	v-I, VII-v-I, VII-I, or IV-v-I
Preferred tonicization:	vii, iv, and IV
Standard progressions:	I-IV-VII-I
Finalis:	$\hat{1}$

Example 22. Mixolydian Mode

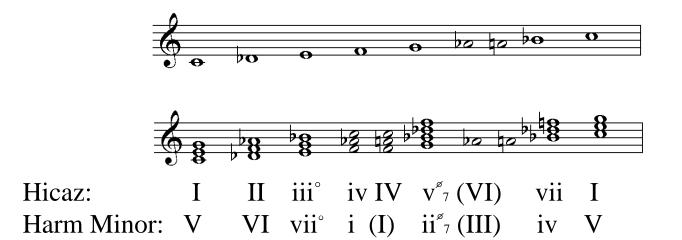
Chord Derivation: Makam Hicaz



Preferred cadences:	vii-I, v ^ø 7-I
Preferred tonicization:	vii, iv, and IV
Standard progressions:	I-iv-vii (v [°] 7) -I
Finalis:	$\hat{1}$ (or $\hat{3}$)

Example 23. Chordal Vocabulary in Makam Hicaz

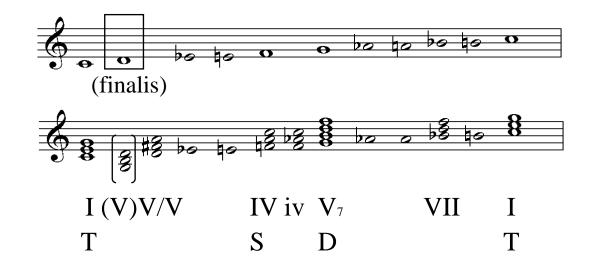
Makam Hicaz



	Hicaz	Harm Minor
Preferred cadences:	vii-I, v ^ø 7-I	iv-V, ii ^ø ₇ -V
Preferred tonicization:	vii, iv, and IV	iv, i, and I
Standard progressions:	I-iv-vii (v ^ø 7) -I	V-i-iv (ii [#] 7) -V
Finalis:	$\hat{1}$ (or $\hat{3}$)	$\hat{5}$ (or $\hat{7}$)

Example 24. Chordal Vocabulary in Makam Hicaz Compared to Harmonic Minor

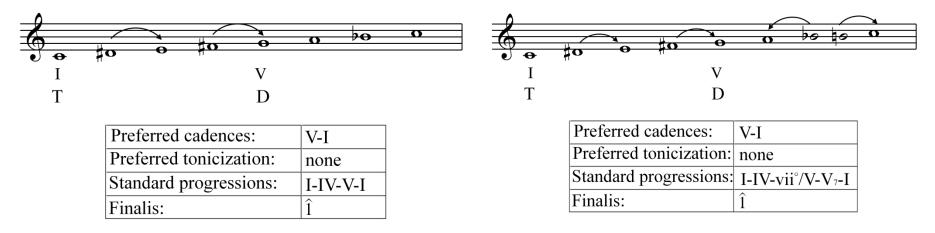
Shope Major (Western Bulgaria)

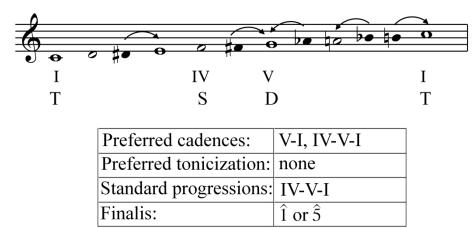


Preferred cadences:	V/V_7-V
Preferred tonicization:	IV
Standard progressions:	I-IV-V/V7-V or I-iv-V/V7-V
Finalis:	2 (or 7)

Example 25. Chordal Vocabulary in Shope Major

Major Polymodes

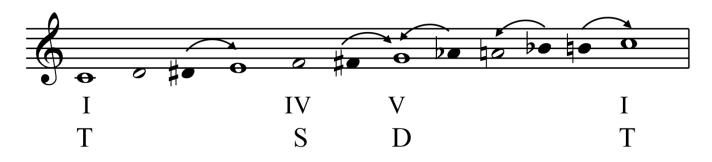




Example 26. Chordal Vocabulary in Major Polymodes

Scales and Modes for Improvisation in Bulgarian Folk Music

The Role of the Drones



Preferred cadences:	V-I, IV-V-I
Preferred tonicization:	none
Standard progressions:	IV-V-I
Finalis:	$\hat{1}$ or $\hat{5}$

Example 27. Polymode for Improvisation in Major

Scales for Improvisation in Major

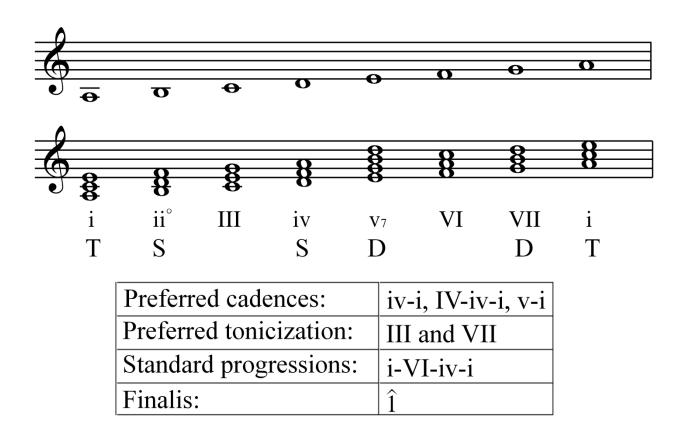
Major	Mixolydian Mode"
I-IV-V-I progression	4pf 'Mode of Makam Hicaz
	Aeolian Mode from Scale Degree 4
	Mixolydian Mode from Scale Degree 4
	(Aeolian Mode from Scale Degree 5)
	Makam Mustear from Scale Degree 4
	(Makam Hicaz from Scale Degree 5)
	Aeolian Mode
	Chromatic Scale
Makam Hicaz	Makam Hicaz
I-vii-I progression	Makam Hicazcar
	Ionian from the 4 -the Scale Degree
	Chromatic Scale

Table 1. Scales for Improvisation in Major

CHORD DERIVATION ANC CHORDAL VOCABULARIES FOR MINOR SCALES

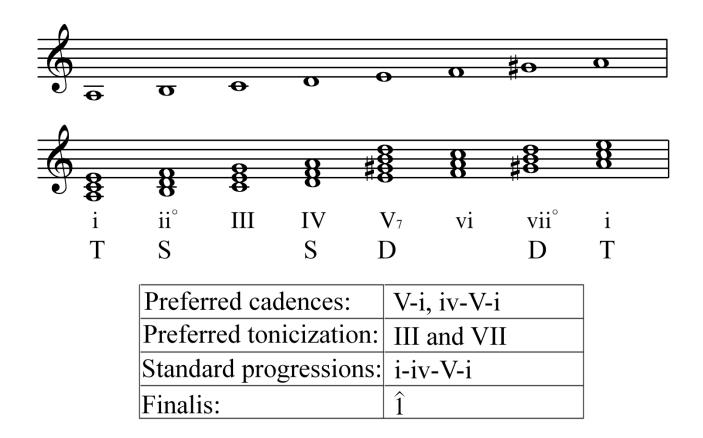
(only scales found in harmonized repertoire)

Chord Derivation: Aeolian



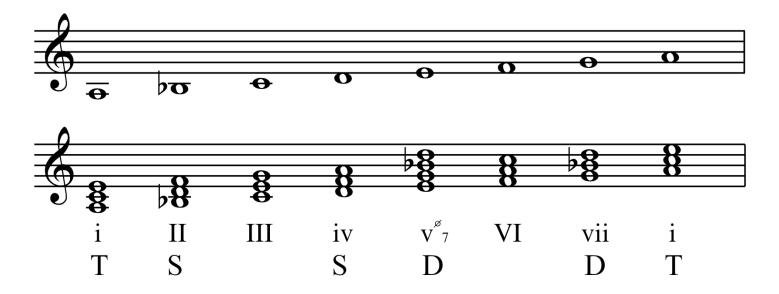
Example 28. Chordal Vocabulary in Aeolian

Chord Derivation: Harmonic Minor



Example 29. Chordal Vocabulary in Harmonic Minor

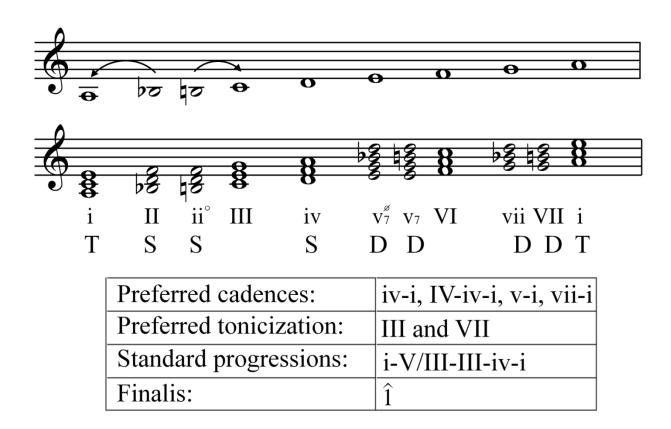
Chord Derivation: Phrygian



Example 30. Chordal Vocabulary in Phrygian

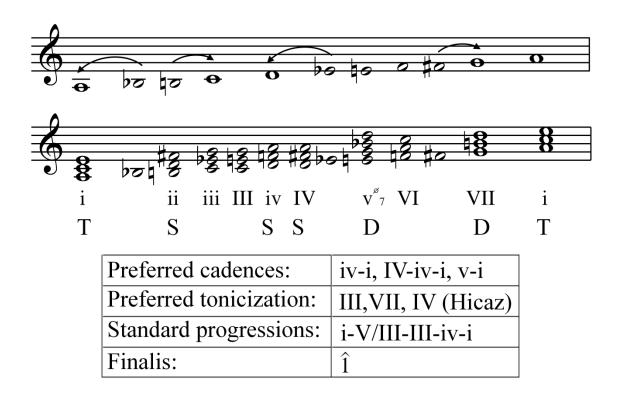
There Is no Standardization in Phrygian (still in-progress...)

Chord Derivation: Aeolian-Phrygian Polymode



Example 31. Chordal Vocabulary in Aeolian-Phrygian Polymode with Variable Scale Degree 2

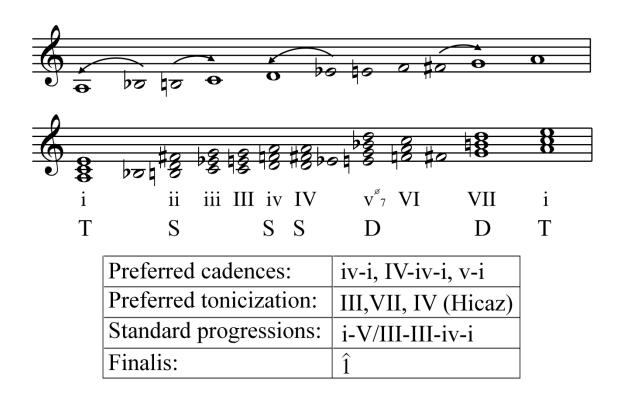
Chord Derivation: Aeolian-Phrygian and a Partial Makam Karcigar Polymode



Example 32. Chordal Vocabulary in Aeolian-Phrygian -Karcigar Polymode with Variable Scale Degrees 2 and 5



Chord Derivation: Aeolian-Phrygian and Makam Karcigar Polymode



Example 33. Chordal Vocabulary in Aeolian-Phrygian-Karcigar Polymode with Variable Scale Degrees 2, 5, and 6

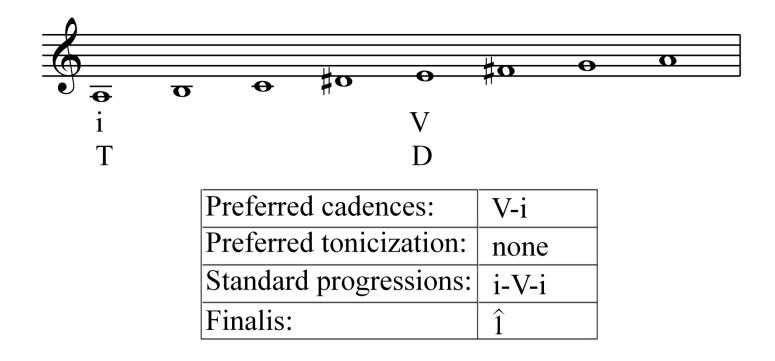
Chord Derivation: Minor Pentatonic (Anhemitonic and Transitional)



Preferred cadences:	iv-i, VI-iv-i
Preferred tonicization:	III, VII
Standard progressions:	i-V/III-III-iv-i
Finalis:	î

Example 34. Chordal Vocabulary in Minor Pentatonic

Chord Derivation: Makam Mustear



Example 35. Chordal Vocabulary in Makam Mustear

Scales for Improvisation in Minor

Minor	Makam Mustear
i-V-i progression	Biharmonic Minor (Makam
	Mustear Combined with
	Harmonia Minor)

Table 2. Scales for Improvisation in Minor



Traditional Bulgarian Polyphony as Predecessor of Harmony

Steady Drones Variable Drones Finalis in Bulgarian Music Where is *Do* in Bulgarian Folk Music?

Three Possible Tonal Centers: Triads Built Upwards, Downwards, and by Unfolding Thirds

> Tonic on Scale Degree 1 Tonic on Scale Degree 4 or a 5th below the Finalis Tonic on Scale Degree 6 Tonal Centers "Up for Grabs

Regional Preferences for Tonal Centers

The Rule of the Loudest

"Whose Is This Song:" From a Harmonic Perspective

