

BYZANTINE MUSIC FORMULAE

Fourth Mode - Sticheraric

Contents*

<u>Medial Cadences on Pa</u>	
A) Accented on Last Syllable	278
B) Accented on Second to Last Syllable	281
C) Accented on Third to Last Syllable	285
D) Accented on Fourth to Last Syllable	290
<u>Medial Cadences on Vou</u>	
E) Accented on Last Syllable	292
F) Accented on Second to Last Syllable.....	293
G) Accented on Third to Last Syllable.....	294
H) Accented on Fourth to Last Syllable.....	297
<u>Medial Cadences on Di</u>	
I) Accented on Last Syllable.....	298
J) Accented on Second to Last Syllable	303
K) Accented on Third to Last Syllable	308
L) Accented on Fourth to Last Syllable.....	312
<u>Other Formulae</u>	
M) Fthoras	315
N) Cadences on Low Di	319
O) Old (slow) Sticheraric Formulae	321
<u>Ending Formulae</u>	
P) Final Cadences	331
Q) Final Cadences for Theotokia	334

* The Byzantine music formulae herein were extracted from sticheraric melodies found in the *Zoe Anastasi-matarion* (14th edition, 2002) Volume I of *Mousike Kypsele* (1883 edition), the *Doxastarion* of Konstantinos Protopsaltis (1844 edition), and the volume I of the *Athonias* (1906 edition) by Petros Philanthidis.

Key:

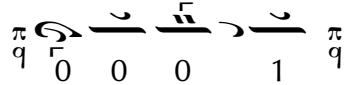
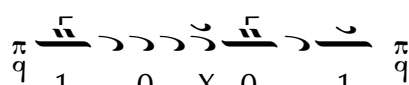
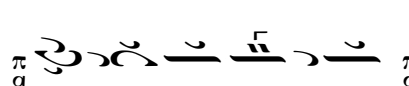

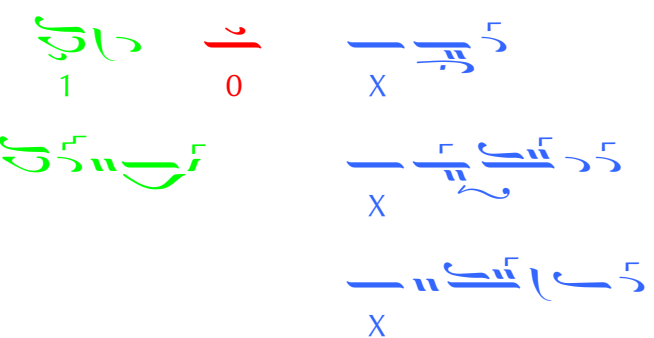
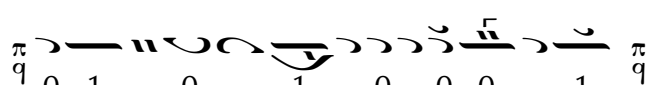
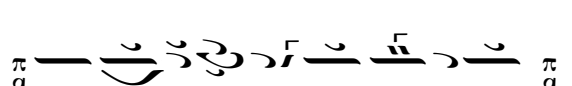
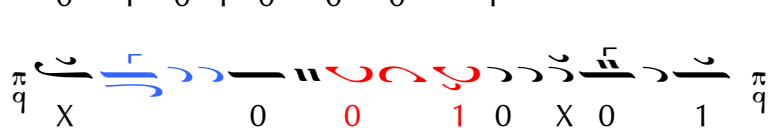
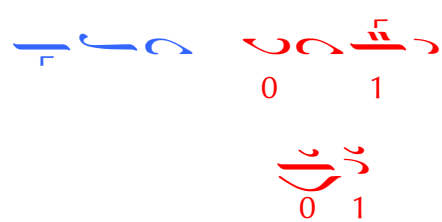
1 = accented syllable
0 = unaccented syllable
X = syllable that may be either accented or unaccented

Variations of the same formula are indicated in color

Medial Cadences on Pa

A) Accented on Last Syllable

Pa - Pa

0001	
10X01	
10001	
100X001	
	
01010001	
	
X0010X01	
	

Fourth Mode - Sticheraric

01010X01

X00010001

100010X01

Vou - Pa

This section is almost empty because medial cadences on Vou are rarely followed by a medial cadence on Pa

010010001

Di - Pa

10001

Fourth Mode - Sticheraric

0 0

Δ δ 1 0 0 0 1 π q

00010001

Δ δ 0 0 0 1 0 0 0 1 π q

B) Accented on Second to Last Syllable

Pa - Pa

10 π
 $\begin{array}{c} \text{q} \\ 1 \ 0 \end{array} \text{q}$

π
 $\begin{array}{c} \text{q} \\ 1 \ 0 \end{array} \text{q}$

010 π
 $\begin{array}{c} \text{q} \\ 0 \ 1 \ 0 \end{array} \text{q}$

10010 π
 $\begin{array}{c} \text{q} \\ 1 \ \text{q} \ \text{q} \ 0 \ 0 \ 1 \ 0 \end{array} \text{q}$

π
 $\begin{array}{c} \text{q} \\ 1 \ 0 \ 0 \ 1 \ 0 \end{array} \text{q}$

π
 $\begin{array}{c} \text{q} \\ 1 \ \text{q} \ \text{q} \ 0 \ 0 \ 1 \ 0 \end{array} \text{q}$

π
 $\begin{array}{c} \text{q} \\ 1 \ 0 \ 0 \ 1 \ 0 \end{array} \text{q}$

π
 $\begin{array}{c} \text{q} \\ 1 \ 0 \ 0 \ 1 \ 0 \end{array} \text{q}$

11010 π
 $\begin{array}{c} \text{q} \\ 1 \ 1 \ 0 \ 1 \ 0 \end{array} \text{q}$

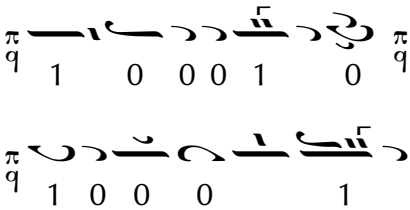
010010 π
 $\begin{array}{c} \text{q} \\ 0 \ 1 \ 0 \ 0 \ 1 \ 0 \end{array} \text{q}$

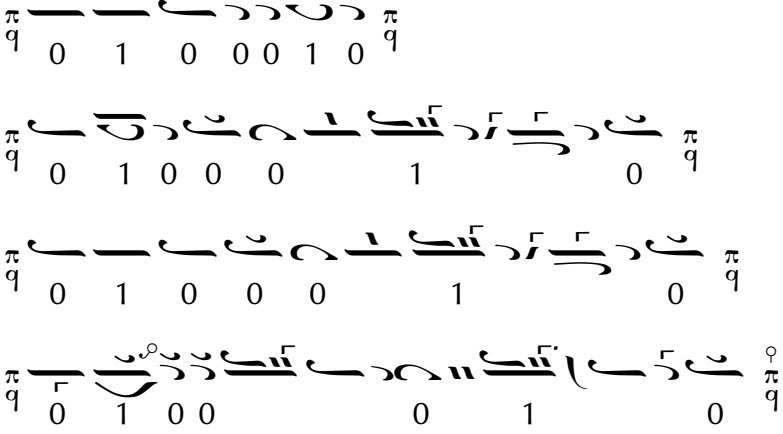
π
 $\begin{array}{c} \text{q} \\ 0 \ 1 \ 0 \ 0 \ 1 \ 0 \end{array} \text{q}$

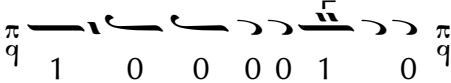
π
 $\begin{array}{c} \text{q} \\ 0 \ 1 \ 0 \ 0 \ 1 \ 0 \end{array} \text{q}$

π
 $\begin{array}{c} \text{q} \\ 0 \ 1 \end{array} \text{q}$

Fourth Mode - Sticheraric

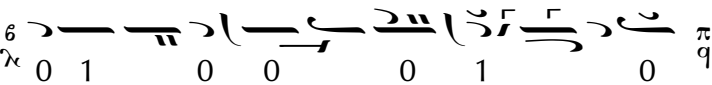
100010 

0100010 

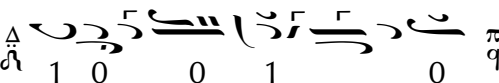
1000010 

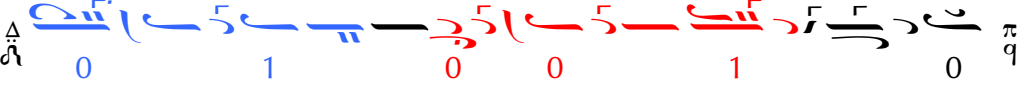
Vou - Pa

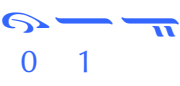
This section is almost empty because medial cadences on Vou are rarely followed by a medial cadence on Pa


0100010 


Di - Pa


10010 

010010 









Fourth Mode - Sticheraric

0 1 0 0 1 0 0 1 0 π ₉

0 1 0 1 0 0 1 0 0 π ₉

0 1 0 0 0 1 0 0 π ₉

1 0 1 0 0 0 1 0 0 π ₉

0 1 0 0 0 1 0 0 π ₉

1 0 0 0 0 1 0 0 π ₉

0 X 0 X 0 1 0 0 π ₉

1 0 1 0 X 0 1 0 0 π ₉

Fourth Mode - Sticheraric



Fourth Mode - Sticheraric

C) Accented on Third to Last Syllable

Pa - Pa

100	
101	
0100	
10100	
10X0X	
000100	
010X0X	
100X0X	

Fourth Mode - Sticheraric

100X0X

π ₉ 1 0 0 X 0 X π ₉

1 0 X

X

X

100X0X

π ₉ 1 0 0 X 0 X π ₉

100100

π ₉ 1 0 0 1 0 0 π ₉

XXX0X0X

π ₉ X X X 0 X 0 X π ₉

10X0X0X

π ₉ 1 0 X 0 X 0 X π ₉

X

X

0100100

π ₉ 0 1 0 0 1 0 0 π ₉

100010X

π ₉ 1 0 0 0 1 0 X π ₉

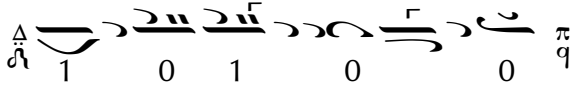
100X0X0X


π ₉ 1 0 0 X 0 X 0 X π ₉

X

X

Fourth Mode - Sticheraric

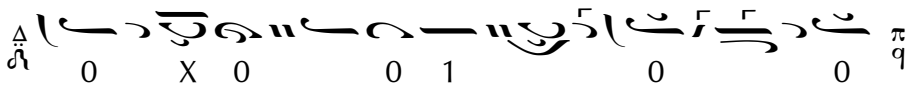
10100 Δ  π ₉
 1 0 1 0 0


X010X Δ  π ₉
 X 0 1 0 X





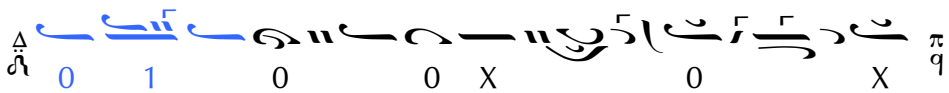
10X0X Δ  π ₉ 
 1 0 X 0 X 0

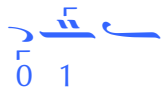
0X00100 Δ  π ₉
 0 X 0 0 1 0 0

0100100 Δ  π ₉
 0 1 0 0 1 0 0

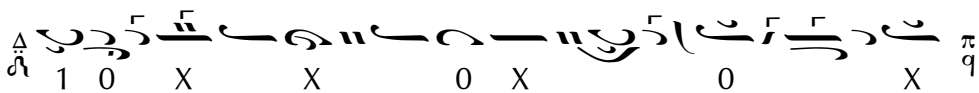

 0 1 0 1 0

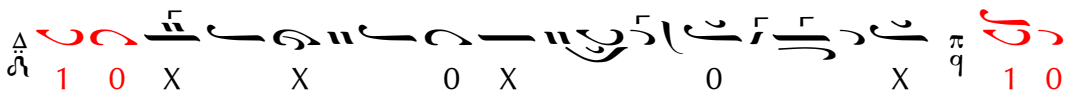


 0 1 0

0100X0X Δ  π ₉
 0 1 0 0 X 0 X

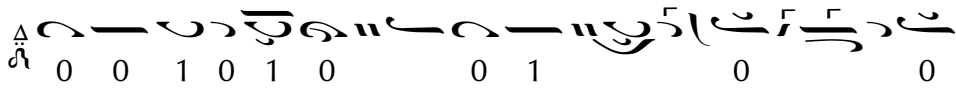

 0 1


 0 1

10XX0X0X Δ  π ₉
 1 0 X X 0 X 0 X

10XX0X0X Δ  π ₉ 
 1 0 X X 0 X 0 X 1 0

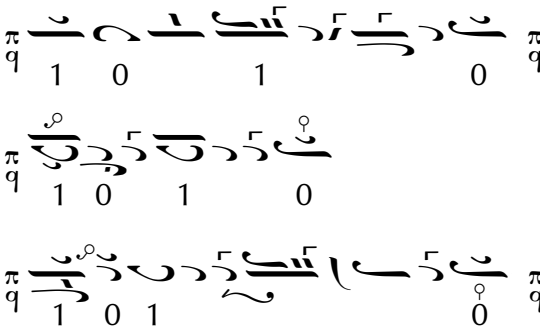
Fourth Mode - Sticheraric

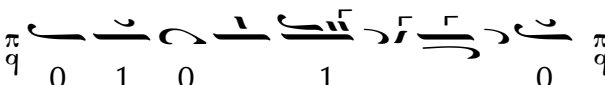
0010100100 $\overset{\Delta}{\underset{\delta}{\alpha}}$  π ⁹

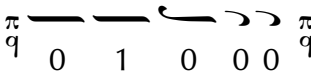
The image shows a sequence of musical notation for the fourth mode, Sticheraric. The notation consists of a series of notes and rests, with a binary sequence 0010100100 written below it. The notes are represented by various symbols, including horizontal lines, curves, and vertical strokes, with some notes having a '5' above them. The sequence starts with a delta symbol (Δ) above and a delta symbol (δ) below, and ends with a pi symbol (π) and a superscript 9.

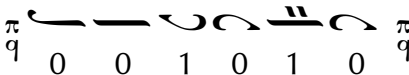
D) Accented on Fourth to Last Syllable


Pa - Pa

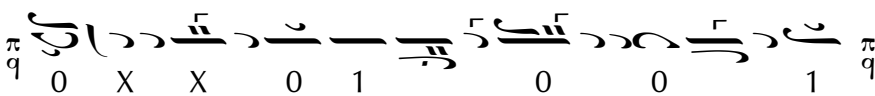
1010 

01010 

01000 

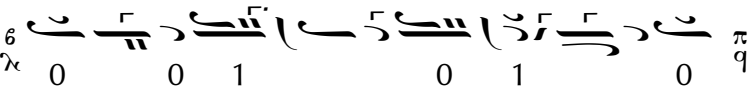
001010 

0X01001 


0XX01001 

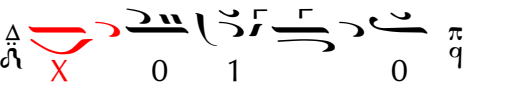
Vou - Pa

This section is almost empty because medial cadences on Vou are rarely followed by a medial cadence on Pa

001010 

Di - Pa

1001 

X010 



Fourth Mode - Sticheraric

01001 Δ δ 0 1 0 0 1 π

X01001 Δ δ X 0 1 0 0 1 π

0X01010 Δ δ 0 X 0 1 0 1 0 π

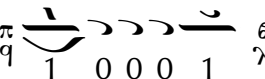
0100X010 Δ δ 0 1 0 0 X 0 1 0 π

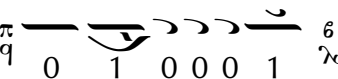
Medial Cadences on Vou


E) Accented on Last Syllable

Pa - Vou

This section is small because melodies in fourth mode do not frequently move from Pa to Vou.

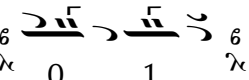
10001 

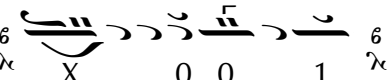
010001 

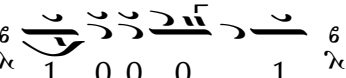
00010001 

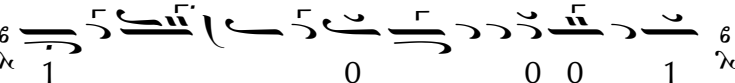
Vou - Vou

This section is also almost empty because medial cadences on Vou are rarely followed by another medial cadence on Vou

01 

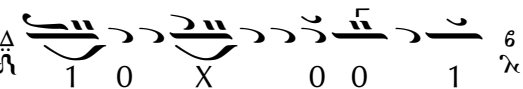
X001 

10001 



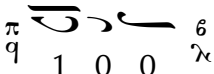
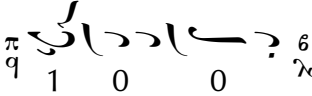
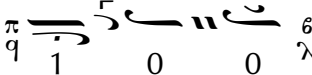

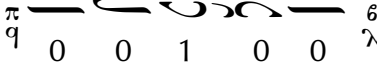
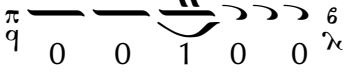
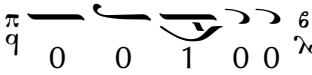
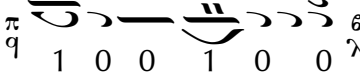
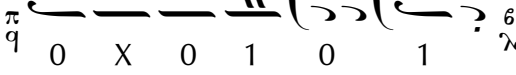
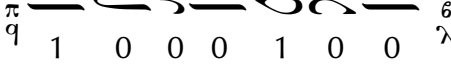
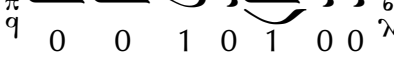
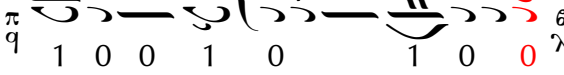
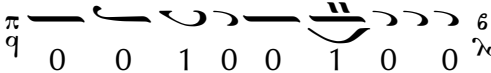
Di - Vou

This section is almost empty because melodies in this mode do not move from Di to Vou in many ways.

10X001 

G) Accented on Third to Last Syllable


Pa - Vou


100	
	
	
0100	
00100	
	
	
100100	
0X0101	
1000100	
0010100	
10010100	
	

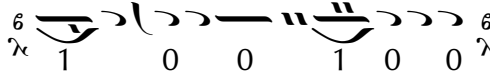


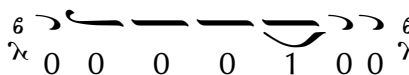
Fourth Mode - Sticheraric

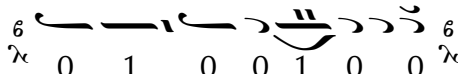
Vou - Vou

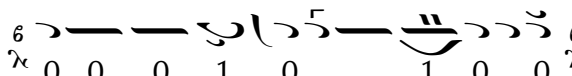
0100 




100100 

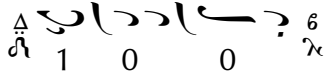
0000100 


0100100 


00010100 


Di - Vou

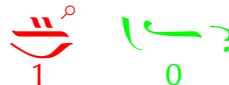
100 





0100 








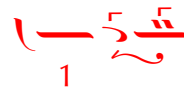
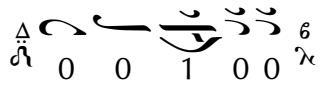






Fourth Mode - Sticheraric

00100



Fourth Mode - Sticheraric

H) Accented on Fourth to Last Syllable

Pa - Vou

This section is small because the melody in this mode does not move from Pa to Vou in very many ways.

01010 $\begin{array}{c} \pi \\ \rho \\ 0 \ 1 \ 0 \ 1 \ 0 \end{array} \begin{array}{c} \text{—} \text{—} \text{—} \text{—} \text{—} \\ \text{—} \text{—} \text{—} \text{—} \end{array} \begin{array}{c} 6 \\ \lambda \end{array}$

$\begin{array}{c} \pi \\ \rho \\ 0 \ 1 \ 0 \ 1 \ 0 \end{array} \begin{array}{c} \text{—} \text{—} \text{—} \text{—} \text{—} \\ \text{—} \text{—} \text{—} \text{—} \end{array} \begin{array}{c} 6 \\ \lambda \end{array}$

0001010 $\begin{array}{c} \pi \\ \rho \\ 0 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \end{array} \begin{array}{c} \text{—} \text{—} \text{—} \text{—} \text{—} \\ \text{—} \text{—} \text{—} \text{—} \end{array} \begin{array}{c} 6 \\ \lambda \end{array}$

Di - Vou

This section is also small because the melody in this mode does not move from Di to Vou in very many ways.

1010 $\begin{array}{c} \Delta \\ \rho \\ 1 \ 0 \ 1 \ 0 \end{array} \begin{array}{c} \text{—} \text{—} \text{—} \text{—} \\ \text{—} \text{—} \text{—} \end{array} \begin{array}{c} 6 \\ \lambda \end{array}$

$\begin{array}{c} \Delta \\ \rho \\ 1 \ 0 \ 1 \ 0 \end{array} \begin{array}{c} \text{—} \text{—} \text{—} \text{—} \\ \text{—} \text{—} \text{—} \end{array} \begin{array}{c} 6 \\ \lambda \end{array}$

Medial Cadences on Di

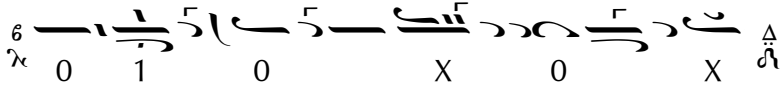
I) Accented on Last Syllable

Pa - Di

001	π q	— — —	Δ Di
		0 0 1	
	π q	— — —	Δ Di
		0 0 1	
0001	π q	— — — —	Δ Di
		0 0 0 1	
10001	π q	— — — —	Δ Di
		1 0 0 0 1	
010001	π q	— — — — —	Δ Di
		0 1 0 0 0 1	
100001	π q	— — — — —	Δ Di
		1 0 0 0 0 1	
110001	π q	— — — — —	Δ Di
		1 1 0 0 0 1	
X00001	π q	— — — — —	Δ Di
		X 0 0 0 0 1	
0010001	π q	— — — — —	Δ Di
		0 0 1 0 0 0 1	
	π q	— — — — —	Δ Di
		0 0 1 0 0 0 1	
01000001	π q	— — — — —	Δ Di
		0 1 0 0 0 0 0 1	
00010001	π q	— — — — —	Δ Di
		0 0 0 1 0 0 0 1	



Fourth Mode - Sticheraric

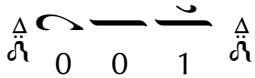
010X0X 

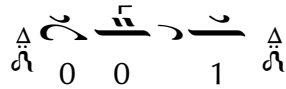
10010001 

Di - Di

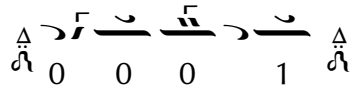
00 

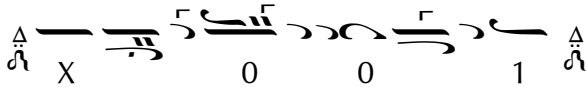
00X 

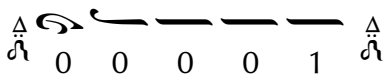
001 

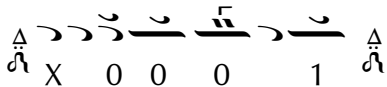


0001 

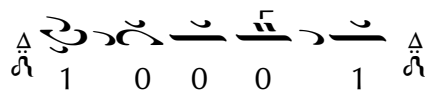


X001 

00001 

X0001 

10001 





Fourth Mode - Sticheraric

010001

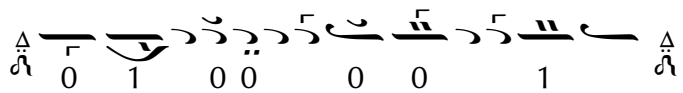
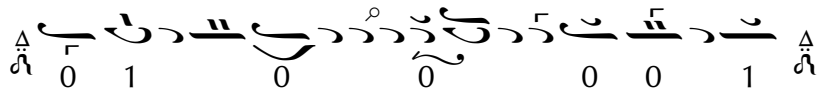
010X0X

010001

0100X0X

Fourth Mode - Sticheraric

0100001



J) Accented on Second to Last Syllable

Pa - Di

10

010

Pa Di

0010

0010

X0010

Fourth Mode - Sticheraric

100010 $\begin{matrix} \overset{6}{\lambda} \\ \text{1 0 0 0 1 0} \end{matrix} \overset{\Delta}{\text{A}}$

100010 $\begin{matrix} \overset{6}{\lambda} \\ \text{1 0 0 0 1 0} \end{matrix} \overset{\Delta}{\text{A}}$

0010010 $\begin{matrix} \overset{6}{\lambda} \\ \text{0 0 1 0 0 1 0} \end{matrix} \overset{\Delta}{\text{A}}$

00010010 $\begin{matrix} \overset{6}{\lambda} \\ \text{0 0 0 1 0 0 1 0} \end{matrix} \overset{\Delta}{\text{A}}$

Di - Di

10 $\begin{matrix} \overset{\Delta}{\text{A}} \\ \text{1 0} \end{matrix} \overset{\Delta}{\text{A}}$

$\begin{matrix} \overset{\Delta}{\text{A}} \\ \text{1 0} \end{matrix} \overset{\Delta}{\text{A}}$

$\begin{matrix} \overset{\Delta}{\text{A}} \\ \text{1 0} \end{matrix} \overset{\Delta}{\text{A}}$

$\begin{matrix} \overset{\Delta}{\text{A}} \\ \text{1 0} \end{matrix} \overset{\Delta}{\text{A}}$

010 $\begin{matrix} \overset{\Delta}{\text{A}} \\ \text{0 1 0} \end{matrix} \overset{\Delta}{\text{A}}$ $\begin{matrix} \text{0} \end{matrix}$

$\begin{matrix} \overset{\Delta}{\text{A}} \\ \text{0 1 0} \end{matrix} \overset{\Delta}{\text{A}}$

$\begin{matrix} \overset{\Delta}{\text{A}} \\ \text{0 1 0} \end{matrix} \overset{\Delta}{\text{A}}$

$\begin{matrix} \text{0} \\ \text{0} \end{matrix}$

$\begin{matrix} \overset{\Delta}{\text{A}} \\ \text{0 1 0} \end{matrix} \overset{\Delta}{\text{A}}$

Fourth Mode - Sticheraric

0010		
X010		
10010		
X0010		
00010		
100010		

Fourth Mode - Sticheraric

010010

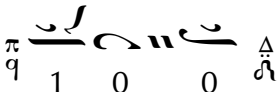
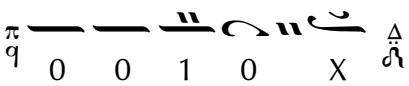
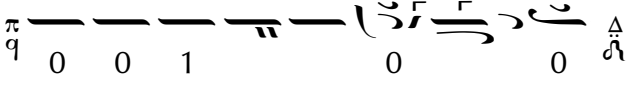
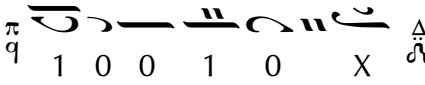
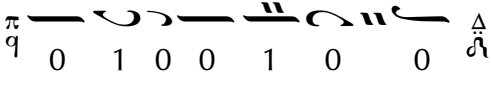
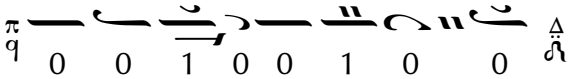
0100010

0010010

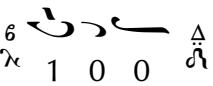
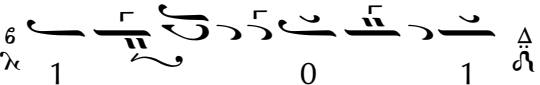
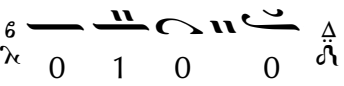
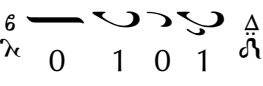
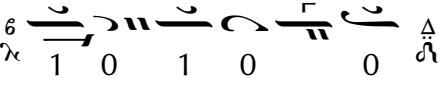
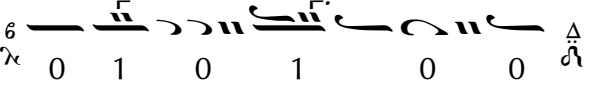
00010010

K) Accented on Third to Last Syllable

Pa - Di

100	π η		Δ δ
0010X	π η		Δ δ
00100	π η		Δ δ
10010X	π η		Δ δ
0100100	π η		Δ δ
00100100	π η		Δ δ

Vou - Di

100	ξ λ		Δ δ
101	ξ λ		Δ δ
0100	ξ λ		Δ δ
0101	ξ λ		Δ δ
10100	ξ λ		Δ δ
010100	ξ λ		Δ δ

Fourth Mode - Sticheraric

1 0 0

000100

0010100

0100100

1000100

1 0

1 0 0

1 0 0

1 0

1000100

00100100

0 0

0 0 1 0 0 1 0 0

01000100

Fourth Mode - Sticheraric

L) Accented on Fourth to Last Syllable

Pa - Di

1001	π q 1 0 0 1 Δ ♩
	π q 1 0 0 1 Δ ♩
1010	π q 1 0 1 0 Δ ♩
01010	π q 0 1 0 1 0 Δ ♩
01001	π q 0 1 0 0 1 Δ ♩
	π q 0 1 0 0 1 Δ ♩
	π q 0 1 0 0 1 Δ ♩
001001	π q 0 0 1 0 0 1 Δ ♩
101001	π q 1 0 1 0 0 1 Δ ♩
0001001	π q 0 0 0 1 0 0 1 Δ ♩
0101001	π q 0 1 0 1 0 0 1 Δ ♩
010001001	π q 0 1 0 0 0 1 0 0 1 Δ ♩

π
q
0 1 0 Δ
♩

π
q
0 1 Δ
♩

Vou - Di

Fourth Mode - Sticheraric

1001 $\overset{6}{\lambda} \begin{array}{c} \text{U} \text{---} \text{U} \\ 1 \ 0 \ 0 \ 1 \end{array} \overset{\Delta}{\text{A}}$

01010 $\overset{6}{\lambda} \begin{array}{c} \text{---} \text{U} \text{---} \text{U} \text{---} \text{U} \\ 0 \ 1 \ 0 \ 1 \ 0 \end{array} \overset{\Delta}{\text{A}}$

001001 $\overset{6}{\lambda} \begin{array}{c} \text{---} \text{---} \text{U} \text{---} \text{U} \text{---} \text{U} \\ 0 \ 0 \ 1 \ 0 \ 0 \ 1 \end{array} \overset{\Delta}{\text{A}}$

0101001 $\overset{6}{\lambda} \begin{array}{c} \text{---} \text{U} \text{---} \text{U} \text{---} \text{U} \text{---} \text{U} \\ 0 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \end{array} \overset{\Delta}{\text{A}}$

0001001 $\overset{6}{\lambda} \begin{array}{c} \text{---} \text{---} \text{---} \text{U} \text{---} \text{U} \text{---} \text{U} \\ 0 \ 0 \ 0 \ 1 \ 0 \ 0 \ 1 \end{array} \overset{\Delta}{\text{A}}$

01001001 $\overset{6}{\lambda} \begin{array}{c} \text{---} \text{---} \text{---} \text{U} \text{---} \text{U} \text{---} \text{U} \\ 0 \ 1 \ 0 \ 0 \ 1 \ 0 \ 0 \ 1 \end{array} \overset{\Delta}{\text{A}}$

Di - Di

100X $\overset{\Delta}{\text{A}} \begin{array}{c} \text{U} \text{---} \text{U} \\ 1 \ 0 \ 0 \ X \end{array} \overset{\Delta}{\text{A}}$

1001 $\overset{\Delta}{\text{A}} \begin{array}{c} \text{U} \text{---} \text{U} \text{---} \text{U} \text{---} \text{U} \\ 1 \ 0 \ 0 \ 1 \end{array} \overset{\Delta}{\text{A}}$

$\begin{array}{c} \text{U} \text{---} \text{U} \text{---} \text{U} \text{---} \text{U} \\ 1 \ 0 \ 1 \end{array}$

1010 $\overset{\Delta}{\text{A}} \begin{array}{c} \text{U} \text{---} \text{U} \text{---} \text{U} \text{---} \text{U} \\ 1 \ 0 \ 1 \ 0 \end{array} \overset{\Delta}{\text{A}}$






$\overset{\Delta}{\text{A}} \begin{array}{c} \text{U} \text{---} \text{U} \text{---} \text{U} \text{---} \text{U} \\ 1 \ 0 \ 1 \ 0 \end{array} \overset{\Delta}{\text{A}}$

$\overset{\Delta}{\text{A}} \begin{array}{c} \text{U} \text{---} \text{U} \text{---} \text{U} \text{---} \text{U} \\ 1 \ 0 \ 1 \ 0 \end{array} \overset{\Delta}{\text{A}}$






01010 $\overset{\Delta}{\text{A}} \begin{array}{c} \text{---} \text{U} \text{---} \text{U} \text{---} \text{U} \text{---} \text{U} \\ 0 \ 1 \ 0 \ 1 \ 0 \end{array} \overset{\Delta}{\text{A}}$



$\begin{array}{c} \text{---} \\ 0 \end{array}$







Fourth Mode - Sticheraric

Δ  0  1  0  1  0 Δ








01001

Δ  0  1  0  0  1 Δ

 1  1

Δ  0  1  0  0  0  1 Δ

0001001

Δ  0  0  0  1  0  0  1 Δ

Fourth Mode - Sticheraric

010

λ 1 0 λ

λ 0 1 λ

λ 0 1 λ

λ 0 0 λ

λ 0 1 0 λ

λ 0 1 0 λ

0010

λ 0 0 1 0 λ

λ 0 0 1 0 λ

10010

λ 1 0 0 1 0 λ

λ 1 0 0 1 0 λ

Accented on third to last syllable:

0100

λ 0 1 0 0 λ

λ 0 1 0 0 λ

Fourth Mode - Sticheraric

000100

00010100

000100100

Accented on fourth to last syllable:

1001

1010

Fourth Mode - Sticheraric

$\overset{6}{\lambda}$
 $\overset{\alpha}{\lambda}$

01001

$\overset{\Delta}{\lambda}$
 $\overset{\nu'}{\lambda}$

01010

$\overset{\Delta}{\lambda}$
 $\overset{\alpha}{\lambda}$

01001010

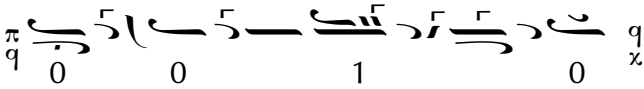
$\overset{\Delta}{\lambda}$
 $\overset{\alpha}{\lambda}$

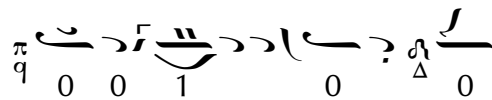
N) Medial Cadences on Low Di


Accented on last syllable:

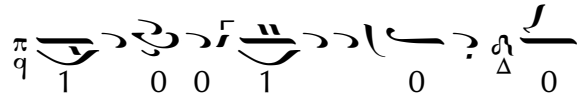
(Use a formula ending in 100)

Accented on second to last syllable:

0010 



11010 

10010 


Accented on third to last syllable:

X010X 



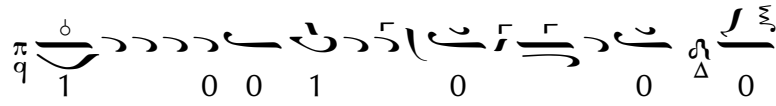


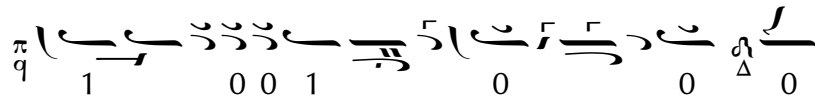



100100 

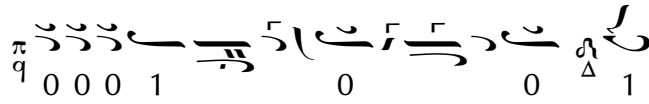


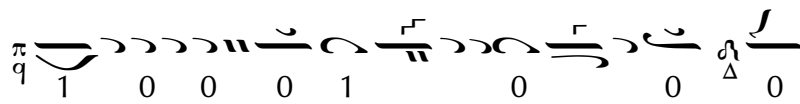
Fourth Mode - Sticheraric

π
 η

 1 0 0 1 0 0 Δ 0

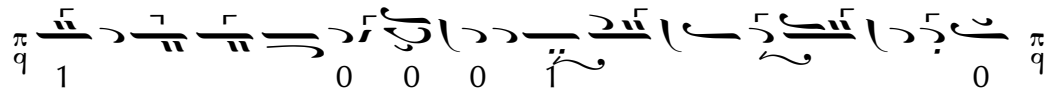
π
 η

 1 0 0 1 0 0 Δ 0

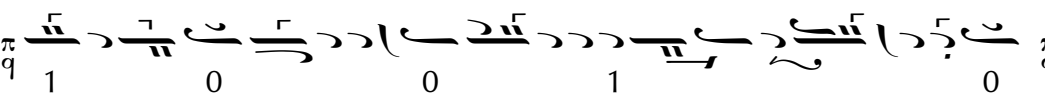
000100
 π
 η

 0 0 0 1 0 0 Δ 1



000100
 π
 η

 0 0 0 1 0 0 Δ 1

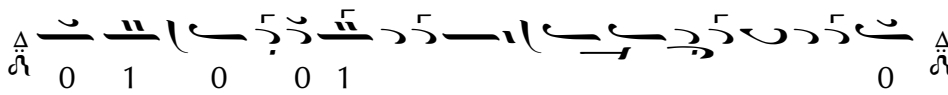
1000100
 π
 η

 1 0 0 0 1 0 0 Δ 0

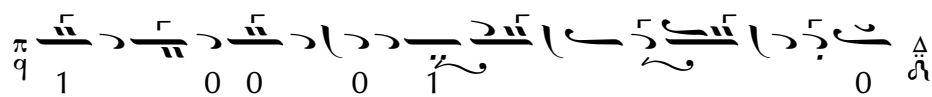
Fourth Mode - Sticheraric

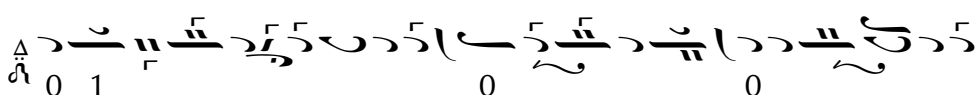
10010 π_9  π_9


10010 π_9  π_9

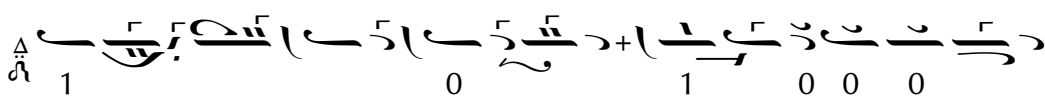
10010 π_9  π_9 

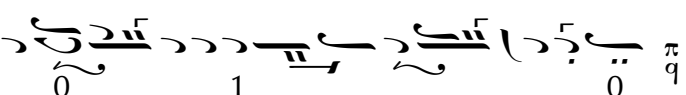
010010 Δ_9  Δ_9


100010 π_9  Δ_9

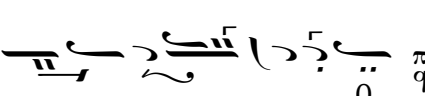
0100010 Δ_9  Δ_9

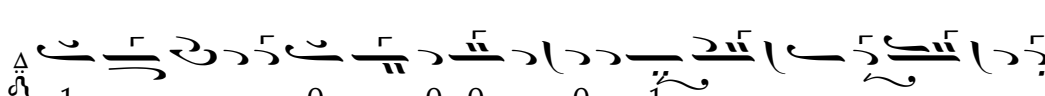
 π_9


1000010 Δ_9  Δ_9

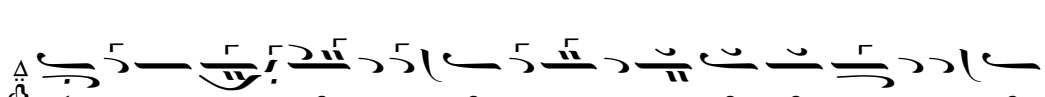
 π_9

1000010 Δ_9  Δ_9

 π_9

1000010 Δ_9  Δ_9

 π_9

10000010 Δ_9  Δ_9

Fourth Mode - Sticheraric

Accented on third to last syllable:

100 Δ πq

100 ϵ λ Δ

100 πq πq

πq

100 πq ϵ λ

100 πq Δ

100 πq πq

100 πq πq

100 πq πq

100 πq ϵ λ

100 Δ πq

100 Δ Δ

Fourth Mode - Sticheraric

00100 $\overset{\Delta}{\mathcal{A}}$ $\overset{\pi}{\mathcal{Q}}$ 0 0 0 0 1 0 0

00100 $\overset{\Delta}{\mathcal{A}}$ $\overset{\pi}{\mathcal{Q}}$ 0 0 1 0 0

00100 $\overset{\Delta}{\mathcal{A}}$ $\overset{\pi}{\mathcal{Q}}$ 0 0 1 0 0 1 0 0

00100 $\overset{6}{\lambda}$ 0 0 1 0 0 $\overset{6}{\lambda}$

00100 $\overset{6}{\lambda}$ 0 0 1 0 0 0 1 0

$\overset{6}{\lambda}$ 0

00100 $\overset{\pi}{\mathcal{Q}}$ 0 0 1 0 0 0 1 0

$\overset{6}{\lambda}$ 0

00100 $\overset{6}{\lambda}$ 0 0 1 0 0 0 1 0 $\overset{\pi}{\mathcal{Q}}$

00100 $\overset{6}{\lambda}$ 0 0 1 0 0 1 0 0 $\overset{6}{\lambda}$

010100 $\overset{\pi}{\mathcal{Q}}$ 0 1 0 1 0 0 0 $\overset{\pi}{\mathcal{Q}}$

100100 $\overset{\Delta}{\mathcal{A}}$ 1 0 0 1 0

$\overset{\pi}{\mathcal{Q}}$ 0

100100 $\overset{\pi}{\mathcal{Q}}$ 1 0 1 0

Fourth Mode - Sticheraric

π_9
 $\frac{\text{Musical Notation}}{2 \quad 0}$

100100 π_9
 $\frac{\text{Musical Notation}}{1 \quad 0 \quad 0 \quad 1 \quad 0 \quad 2 \quad 0}$

100100 Δ_8
 $\frac{\text{Musical Notation}}{1 \quad 0 \quad 0 \quad 1 \quad 0 \quad 0}$

0100101 Δ_8
 $\frac{\text{Musical Notation}}{0 \quad 1 \quad 0 \quad 0 \quad 1 \quad 0}$

$\frac{\text{Musical Notation}}{1}$ λ_6

0010100 π_9
 $\frac{\text{Musical Notation}}{0 \quad 0 \quad 1 \quad 0 \quad 1 \quad 0 \quad 0 \quad 1 \quad 0 \quad 1 \quad 0 \quad 0}$

$\frac{\text{Musical Notation}}{0 \quad 0 \quad 1}$ Δ_8

0100100 λ_6
 $\frac{\text{Musical Notation}}{0 \quad 1 \quad 0 \quad 0 \quad 1}$

$\frac{\text{Musical Notation}}{0 \quad 2 \quad 0}$ π_9

0100100 Δ_8
 $\frac{\text{Musical Notation}}{0 \quad 1 \quad 0 \quad 0 \quad 1 \quad 0}$

$\frac{\text{Musical Notation}}{2 \quad 0}$ π_9

1000100 π_9
 $\frac{\text{Musical Notation}}{1 \quad 0 \quad 0 \quad 0 \quad 1 \quad 0}$

$\frac{\text{Musical Notation}}{0}$ π_9

1000100 Δ_8
 $\frac{\text{Musical Notation}}{1 \quad 0 \quad 0 \quad 0 \quad 1 \quad 0}$

Fourth Mode - Sticheraric

010X0100

Accented on fourth to last syllable:

X010

01001

01001

001001

001001

Fourth Mode - Sticheraric

P) Final Cadences

Accented on last syllable:

(Many formulae ending in 100, 10X, or X01 may also be appropriate)

1010001

Accented on second to last syllable:*

001010

0100010

01100010

Accented on third to last syllable:

X010X

000X0X

100X0X

* Only three formulae in this section is accentuated on the second to last syllable because out of the dozens of sticheraric melodies we examined, we found only three that ended with a word accented on the second to last syllable. Nevertheless, by comparing them with the other formulae in this section, it is safe to deduce that the other formulae can be altered to accommodate phrases accented on the second to last syllable (or on the fourth to last syllable) merely by removing the second to last syllable in them.

Fourth Mode - Sticheraric

1000X0X	$\overset{6}{\lambda}$	
0010X0X	$\overset{\Delta}{\lambda}$	
0010100	$\overset{\Delta}{\lambda}$	
0010X0X	$\overset{6}{\lambda}$	
0010100	$\overset{\Delta}{\lambda}$	
01010X01	$\overset{\pi}{\lambda}$	
01010X01	$\overset{\Delta}{\lambda}$	

Fourth Mode - Sticheraric

01010100 $\overset{\Delta}{\underset{\lambda}{\text{d}}} \overset{\overset{6}{\lambda}}{\text{d}}$ 0 1 0 1 0 1 0 0 $\overset{\overset{6}{\lambda}}{\text{d}}$ $\overset{\overset{6}{\lambda}}{\text{d}}$

$\overset{\overset{6}{\lambda}}{\text{d}}$ 1 0

010X0X0X $\overset{\overset{6}{\lambda}}{\text{d}}$ 0 1 0 X 0 X 0 X $\overset{\overset{6}{\lambda}}{\text{d}}$

$\overset{\overset{6}{\lambda}}{\text{d}}$ 1 X $\overset{\overset{6}{\lambda}}{\text{d}}$ 1 0 0

$\overset{\overset{6}{\lambda}}{\text{d}}$ 1 0 0

001000X0X $\overset{\Delta}{\underset{\lambda}{\text{d}}} \overset{\overset{6}{\lambda}}{\text{d}}$ 0 0 1 0 0 0 X 0 X $\overset{\overset{6}{\lambda}}{\text{d}}$

$\overset{\overset{6}{\lambda}}{\text{d}}$ 0 $\overset{\overset{6}{\lambda}}{\text{d}}$ 1 0 0

$\overset{\overset{6}{\lambda}}{\text{d}}$ 1 0 0

101000X0X $\overset{\overset{6}{\lambda}}{\text{d}}$ 1 0 1 0 0 0 X 0 X $\overset{\overset{6}{\lambda}}{\text{d}}$

$\overset{\overset{6}{\lambda}}{\text{d}}$ 0 $\overset{\overset{6}{\lambda}}{\text{d}}$ 1 0 0

$\overset{\overset{6}{\lambda}}{\text{d}}$ 1 0 0

Accented on fourth to last syllable:

001010 $\overset{\Delta}{\underset{\lambda}{\text{d}}} \overset{\overset{6}{\lambda}}{\text{d}}$ 0 0 1 0 1 0 $\overset{\overset{6}{\lambda}}{\text{d}}$

10001001 $\overset{\overset{6}{\lambda}}{\text{d}}$ 1 0 0 0 1 0 0 1 $\overset{\overset{6}{\lambda}}{\text{d}}$

Fourth Mode - Sticheraric

Q) Final Cadences for Theotokia

01001

100100

1000100

1000101

Old (slow) Sticheraric Cadences for Theotokia:

100

00100