

BYZANTINE MUSIC FORMULAE

Plagal Fourth Mode - Heirmologic (Triphonos) *Apolytikia*

Contents*

A) Medial Cadences on Ga.....	939
B) Medial Cadences on Di.....	943
C) Endings for Theotokia.....	951

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

* The Byzantine music formulae herein were extracted from heirmologic melodies found in the *Zoe Anastasimatarion* (14th edition, 2002), the *Neon Anastasimatarion* by Petros Ephesios (1820 edition), the first volume of *Mousike Kypsele* (1883 edition), and the *Parakletikes Mousikon Engolpion*, by Hieromonk Hierotheos of Philotheou Monastery (2003 edition). Note that these formulae are applicable only to apolytikia, kontakia, and some kathismata. The compilation at: <http://www.stanthonysmonastery.org/music/Formula&c.pdf> contains formulae in heirmologic triphonos plagal fourth mode that are applicable to the canons.

Plagal Fourth Mode - Heirmologic (Triphonos) - Apolytikia

A) Medial Cadences on Ga

(These are also used as ending formulae)

Accented on last syllable:

From Ga

00

10001

From Di

00

010001

0010001

Accented on second to last syllable:

From Ga

10

10010

Plagal Fourth Mode - Heirmologic (Triphonos) - Apolytikia

1 0 0 1 0

From Di

- 10010
- 100010
- 0100010
- 0 1 0 0 0 1 0
- 1000010
- 1010010

Accented on third to last syllable:

From Ga

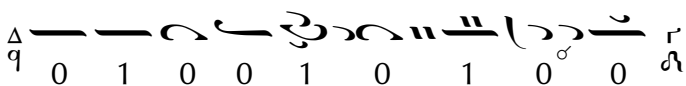
- 100
- 1 0 0
- 1 0 0
- 1 0 0
- 1 0 0

Plagal Fourth Mode - Heirmologic (Triphonos) - Apolytikia

0100		
100100		
<u>From Di</u>		
010100		
100100		
000X100		
1000100		
10000100		
10010100		

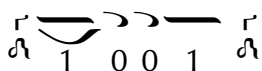
Plagal Fourth Mode - Heirmologic (Triphonos) - Apolytikia

10100100 

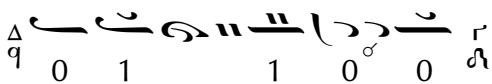
010010100 

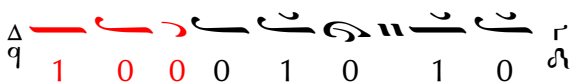
Accented on fourth to last syllable:

From Ga

1001 

From Di

01100 

10001010 



1001001* 

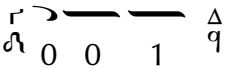
*Note: The above formula in blue was not taken from a publication in Greek but from the 1847 Slavonic Anastasimatarion published in Bucharest. This formula has been included because it is the only occurrence of a 1001 formula in this mode with a full cadence on Ga that we could find in a nineteenth-century publication with traditional formulae.

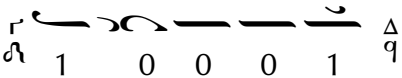
Plagal Fourth Mode - Heirmologic (Triphonos) - Apolytikia

B) Medial Cadences on Di

Accented on last syllable:

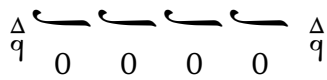
From Ga

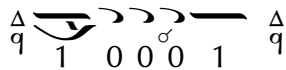
001 

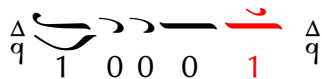
10001 

From Di

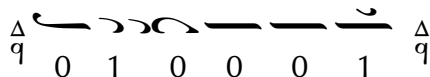
00 

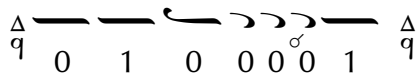
000 

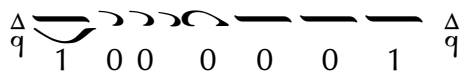
10001 

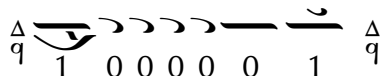




010001 

0100001 

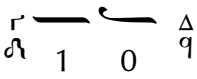
1000001 

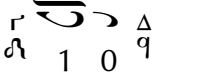


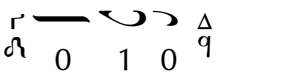
Accented on second to last syllable:

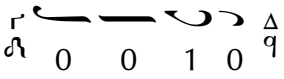
From Ga

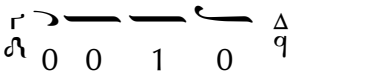
Plagal Fourth Mode - Heirmologic (Triphonos) - Apolytikia

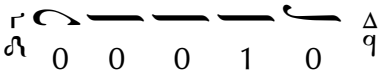
10 

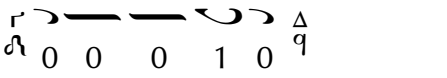
010 

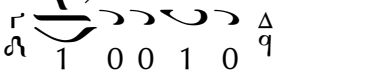
0010 

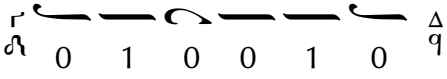
00010 

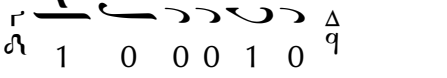
000010 


10010 


010010 

100010 

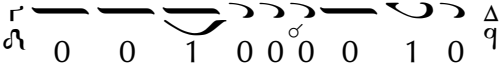
0010010 

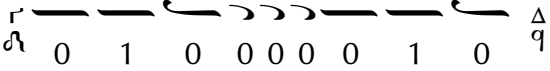
0100010 

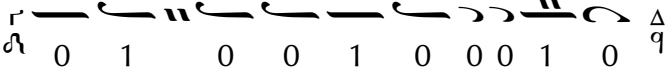
1000010 



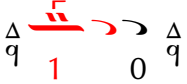

Plagal Fourth Mode - Heirmologic (Triphonos) - Apolytikia

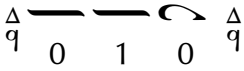
001000010 

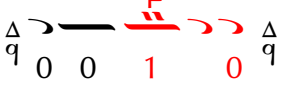

010000010 

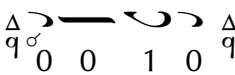
0100100010 

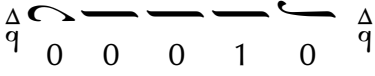
From Di

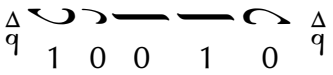
10  

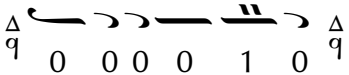
010 

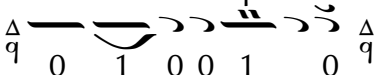
0010  

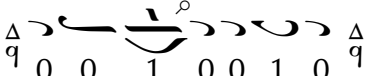


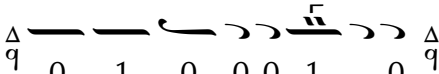
00010 

10010 

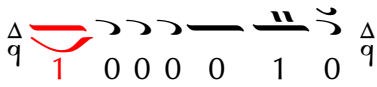

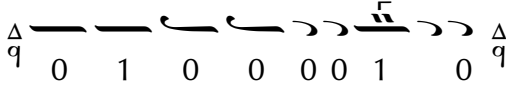
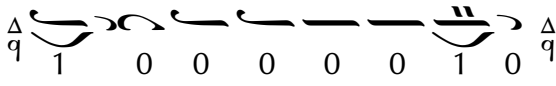
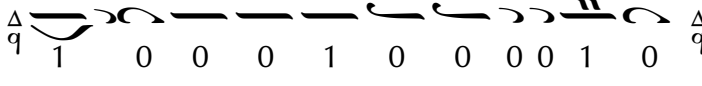
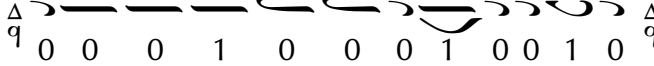
000010 

010010 

0010010 

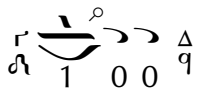
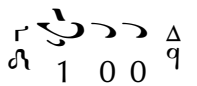
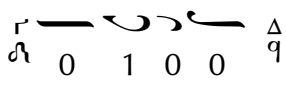
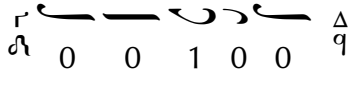
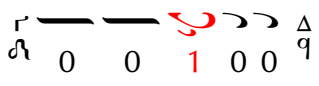

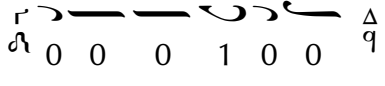
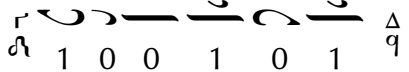
0100010 

Plagal Fourth Mode - Heirmologic (Triphonos) - Apolytikia

1000010		
01000010		
10000010		
10001000010		
000100010010		

Accented on third to last syllable:

From Ga

100		
		
0100		
00100		
		
000100		
100100		

Plagal Fourth Mode - Heirmologic (Triphonos) - Apolytikia

0100100

0 1 0 0 1 0 0

0 1 0 0 1 0 0

0 1 0 0 1 0 0

0 1 0 0 1 0 0

1000100

1 0 0 0 1 0 0

01000100

0 1 0 0 0 1 0 0

1 0 0

0 1 0 0 0 1 0 0

0001000100

0 0 0 1 0 0 0 1 0 0

From Di

100

1 0 0

1 0 0

1 0 0

1 0 0

0100

0 1 0 0

Plagal Fourth Mode - Heirmologic (Triphonos) - Apolytikia

	Δ q	$\overset{\circ}{-}$	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	Δ q		
		0	1	0	0				
	Δ q	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	Δ q			
		0	1	0	0				
	Δ q	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	Δ q			
		0	1	0	0				
10100	Δ q	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	Δ q			
		1	0	1	0	0			
000100	Δ q	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	Δ q			
		0	0	0	1	0	0		
	Δ q	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	Δ q			
		0	0	0	1	0	0		
010100	Δ q	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	Δ q		$\overline{\text{U}}$ 0 1	
		0	1	0	1	0	0		
100100	Δ q	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	Δ q			
		1	0	0	1	0	0		
	Δ q	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	Δ q			
		1	0	0	1	0	0		
0010100	Δ q	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	Δ q			
		0	0	1	0	1	0	0	
0100100	Δ q	$\overset{\circ}{-}$	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	Δ q	$\overline{\text{U}}$ 0 1	
		0	1	0	0	1	0	0	
	Δ q	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	Δ q		
		0	1	0	0	1	0	0	
00010100	Δ q	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	Δ q		
		0	0	0	1	0	1	0	0
00100100	Δ q	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	$\overline{\text{U}}$	Δ q		
		0	0	1	0	0	1	0	0

Plagal Fourth Mode - Heirmologic (Triphonos) - Apolytikia

000100100	Δ η Δ η	Δ η
001000100	Δ η Δ η	
010000100	Δ η Δ η	
0001000100	Δ η Δ η	

Accented on fourth to last syllable:

From Ga

1000	Γ δ Γ δ	
01000	Γ δ Γ δ	
001000	Γ δ Γ δ	
001001	Γ δ Γ δ	
0001001	Γ δ Γ δ	Γ δ
10001001	Γ δ Γ δ	

From Di

1000	Δ η Δ η
1001	Δ η Δ η

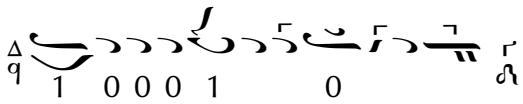
Plagal Fourth Mode - Heirmologic (Triphonos) - Apolytikia


01000 $\overset{\Delta}{\underset{q}{|}} \text{---} \text{---} \text{---} \text{---} \overset{\Delta}{\underset{q}{|}}$
0 1 0 0 0

001000 $\overset{\Delta}{\underset{q}{|}} \text{---} \text{---} \text{---} \text{---} \text{---} \overset{\Delta}{\underset{q}{|}}$
0 0 1 0 0 0

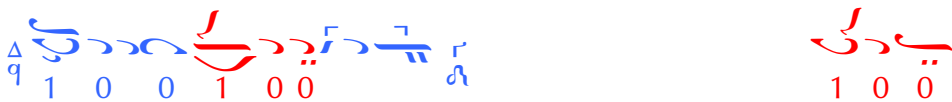
C) Endings for Theotokia*

Accented on second to last syllable:

100010 

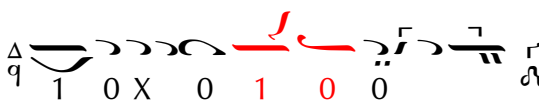
0X00010 

Accented on third to last syllable:


100100 

100010X 



10X0100 

Accented on fourth to last syllable:

1001 

* The formulae in blue in this section are from the Athonite oral tradition, as represented in the book *Οκτάηχον Εβδομάριον, Μοναχοῦ Δοσιθέου Κατουνακιώτου, ἐκδόσεις Ἱ.Μ. Ἀγίων Κυπριανῶν καὶ Ἰουστίνης, Ἀττική, 1995.*