

# BYZANTINE MUSIC FORMULÆ

## *Second Mode - Heirmologic (Soft Chromatic)*

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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

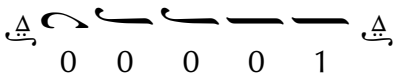
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\* The Byzantine music formulæ herein were extracted from all the heirmologic melodies found in the *Zoe Anastasimatarion* (14th edition, 2002), all the heirmologic melodies in the *Neon Anastasimatarion* by Petros Ephesios, some melodies of Vol. I of the *Doxastarion* by Petros Peloponnesios (and Keltzanides), and all the heirmologic melodies in Vol. I of *Mousike Kypsele*. These formulæ are applicable to Apolytikia, Kontakia, and Kathismata in (soft chromatic) second mode. Bear in mind that all Apolytikia and Kontakia in plagal second mode (except for the Apolytikion of the Resurrection) do not use formulæ of plagal second mode but these formulæ in second mode. The formulæ applicable to the verses of Psalms 140, 141, and 129 chanted in the beginning of Vespers are at: <http://www.stanthonysmonastery.org/music/Formula2v.pdf>

*Second Mode - Heirmologic (Soft Chromatic)*

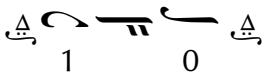
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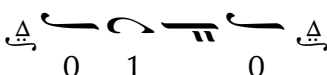
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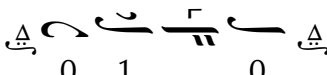
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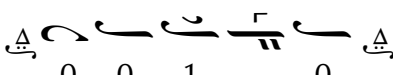
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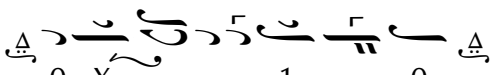
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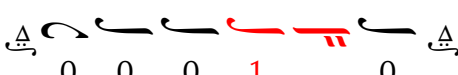

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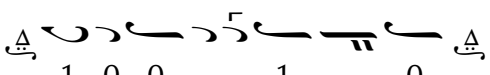
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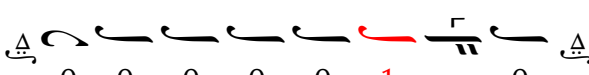

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0010      

0X10      

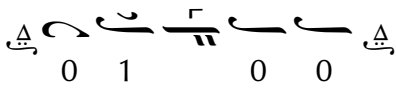
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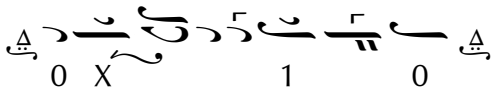
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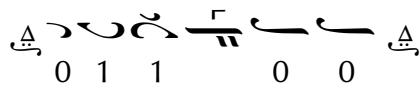
Accented on third to last syllable:

*Second Mode - Heirmologic (Soft Chromatic)*

0100 

0X10 

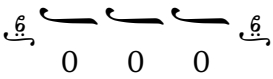
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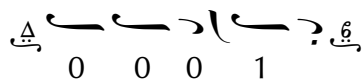
Accented on last syllable:

From Vou

000 


From Di

0001 



Accented on second to last syllable:

From Di

10 




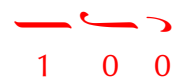
Accented on third to last syllable:

From Di

0100 




000100100 



Accented on fourth to last syllable:

From Di

01001 



C) Cadences on Di

Accented on last syllable:

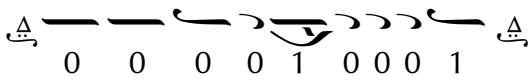
From Vou

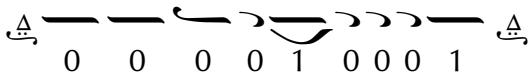
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0001		
010001		
00100001		

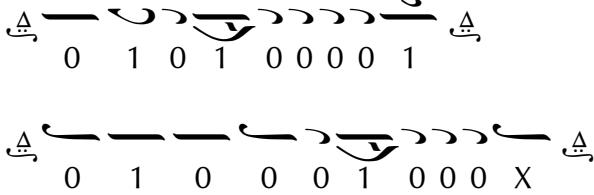
From Di

00	
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010001	
00010001	
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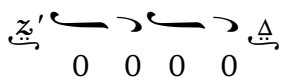
*Second Mode - Heirmologic (Soft Chromatic)*

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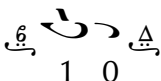
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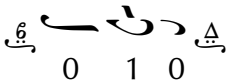
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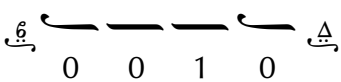
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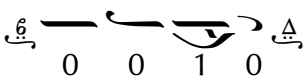
Accented on second to last syllable:

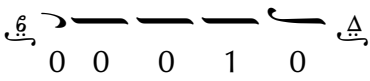
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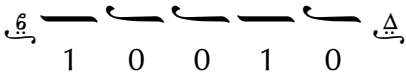
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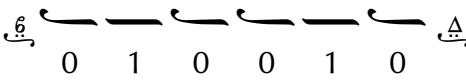
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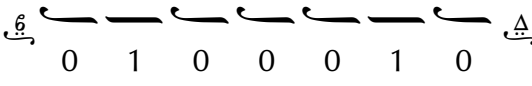
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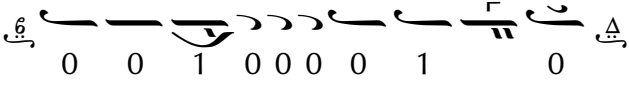
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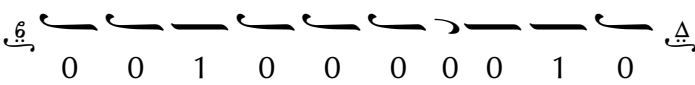
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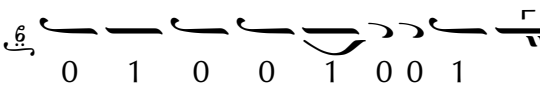
*Second Mode - Heirmologic (Soft Chromatic)*

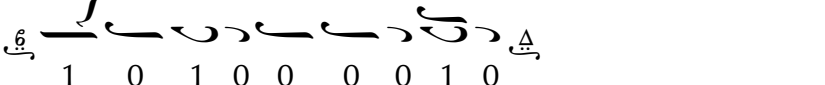
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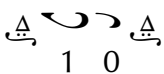
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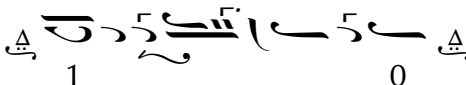
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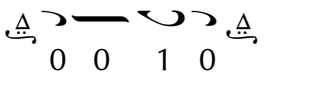
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010001000010 


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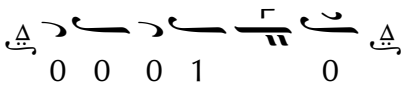
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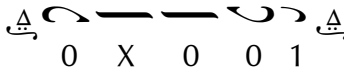
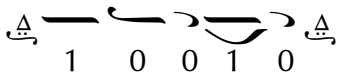
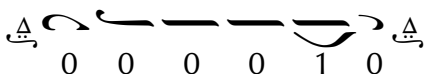
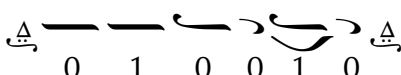
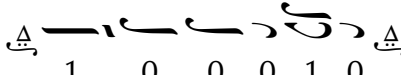
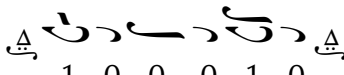
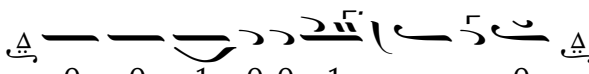
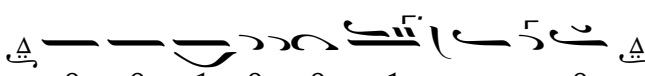
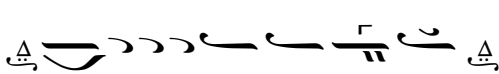
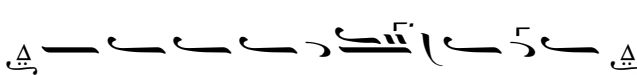
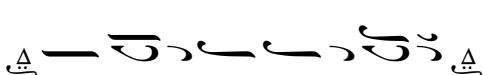
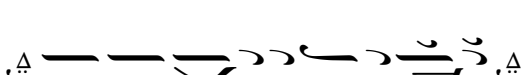
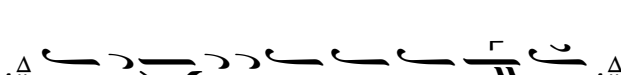

00010 

000010 

0000010 

00000010 


*Second Mode - Heirmologic (Soft Chromatic)*

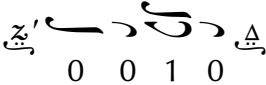
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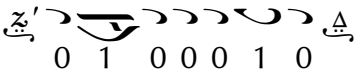


*Second Mode - Heirmologic (Soft Chromatic)*

From Zo

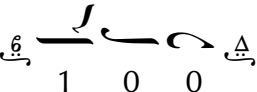
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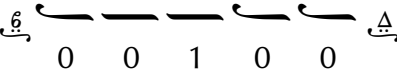
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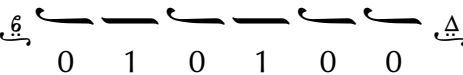
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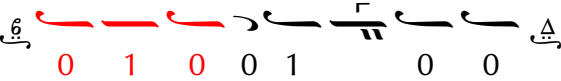
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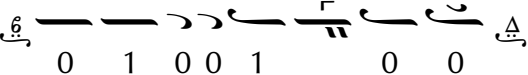
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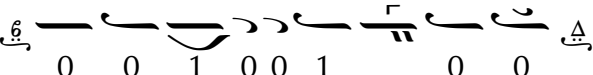
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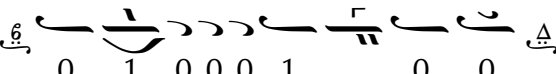


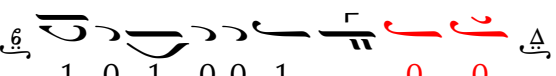
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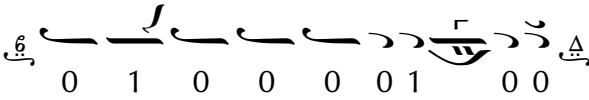
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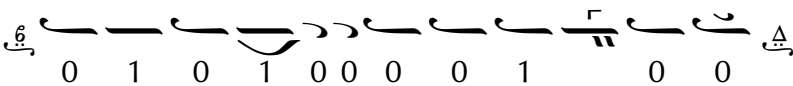
*Second Mode - Heirmologic (Soft Chromatic)*

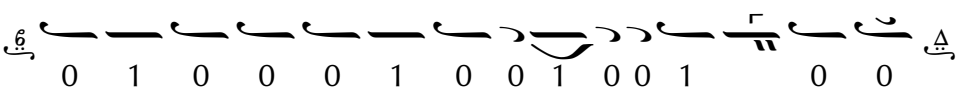
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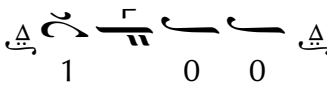
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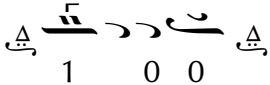
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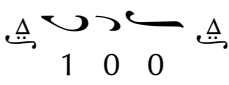
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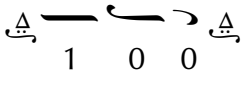
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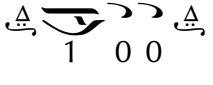
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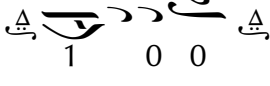
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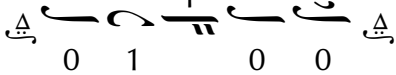










0100 

*Second Mode - Heirmologic (Soft Chromatic)*

0 1 0 0

0 1 0 0

00100

0 0 1 0 0

0 0 1 0 0

10100

1 0 1 0 0

000100

0 0 0 1 0 0

010100

0 1 0 1 0 0

0 1 0 1 0 0

100100

1 0 0 1 0 0

1 0 0 1 0 0

1 0 0 1 0 0

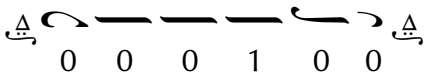
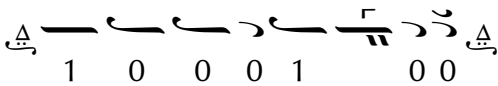
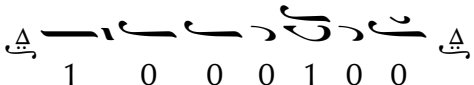
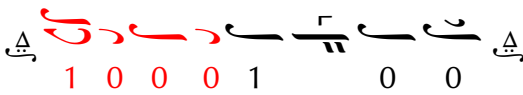

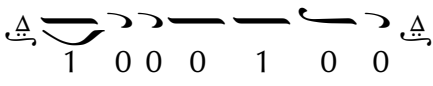
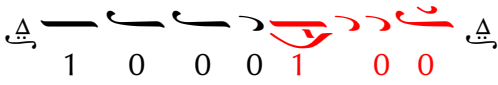

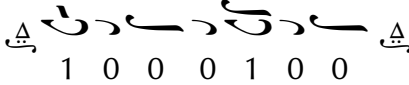
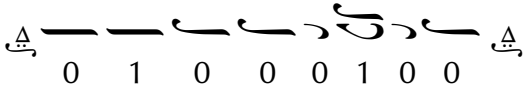
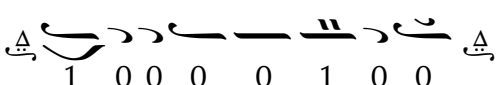
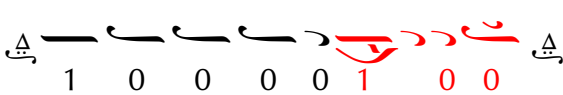



1 0 0 1 0 0

0100100

0 1 0 0 1 0 0

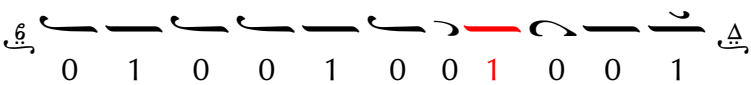

0 1 0 0 1 0 0

*Second Mode - Heirmologic (Soft Chromatic)*

0000100		
1000100		
		
		
		
		
		
01000100		
10000100		
		
01010010X		

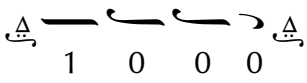
Accented on fourth to last syllable:

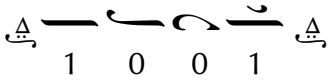
From Vou

01001001001		
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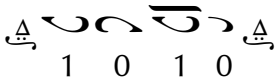
*Second Mode - Heirmologic (Soft Chromatic)*

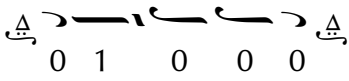
From Di

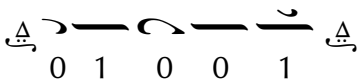
1000 

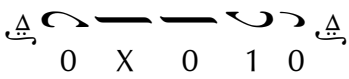
1001 


1010 

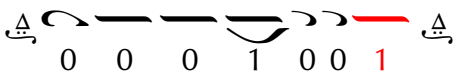


01000 


01001 

0X010 

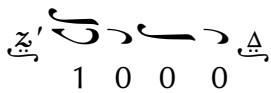
001000 

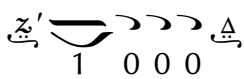
0001001 



10001001 

From Zo

1000 



*Second Mode - Heirmologic (Soft Chromatic)*

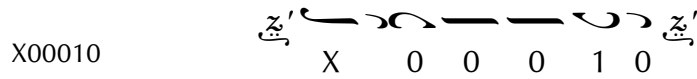
**D) Cadences on Zo**

Accented on second to last syllable:

From Di

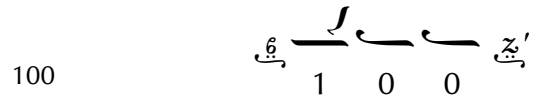


From Zo

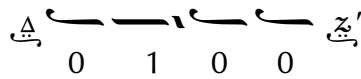
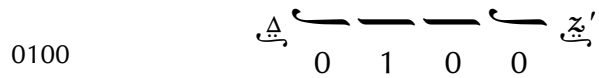


Accented on third to last syllable:

From Vou



From Di






**F) Final Cadences**

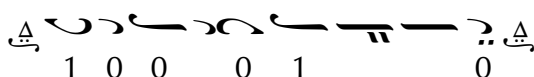
Accented on last syllable:

A 100 formula may be used here


Accented on second to last syllable:

10010 


100010 

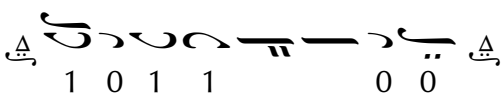


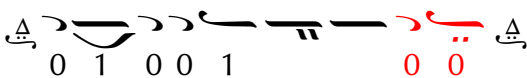
Accented on third to last syllable:

00100 

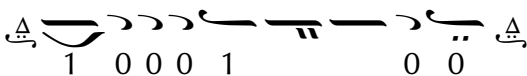
10100 

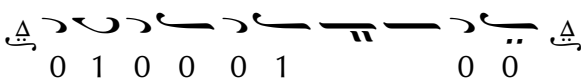
010100 

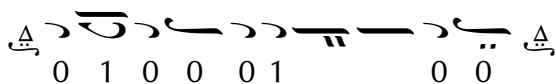
101100 

0100100 

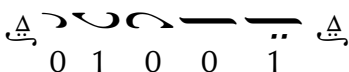


1000100 

01000100 



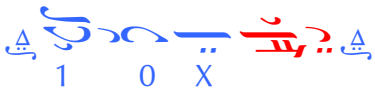

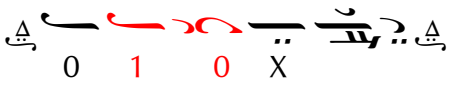
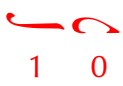
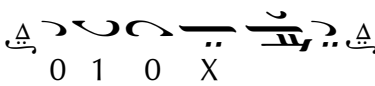

Accented on fourth to last syllable:

01001 



*Second Mode - Heirmologic (Soft Chromatic)*

**G) Endings for Theotokia\***

10X		
010X		
		
0010X		

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\* The two formulae in blue in this section are from the Athonite oral tradition, as represented in the book *Παρακλητικῆς, Μουσικὸν Ἐγκόλπιον, Πλάγιοι Ἦχοι*, Ἱεροθέου Ἱερομονάχου, ἐκδόσεις Ἱ.Μ. Φιλοθέου, Ἅγιον Ὄρος, 2004.