

# BYZANTINE MUSIC FORMULAE

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

### Contents\*

A) Cadences on Zo .....	184
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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 formulae herein were extracted from all the heirmologic verses found in the Zoe *Anastasimatarion* (14th edition, 2002), the *Anastasimatarion* of Petros Peloponnesios (Mousike Bibliotheke), the *Neon Anastasimatarion* by Petros Ephesios, and the doxology by Ioannis Kavvadas (as found in Vol. II of *Mousikos Pandektes*). These formulae are applicable only to the brief verses (that are not immediately followed by troparia) of Psalms 140, 141, and 129 chanted in the beginning of Vespers immediately after "Lord I Have Cried" and the brief verses of Psalms 148, 149, and 150 chanted in Orthros immediately after "Let Every Breath." They may also be used for composing a brief doxology. The soft chromatic formulae in second mode used for Apolytikia, Kontakia, and Kathismata are at:

<http://www.stanthonysmonastery.org/music/Formula2s.pdf>

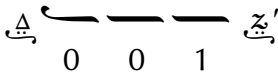
*Second Mode - Verses (Soft Chromatic)*

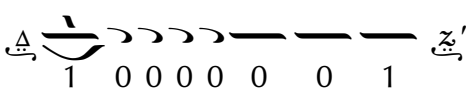
**A) Cadences on Zo**

These formulae are also used as initial formulae.

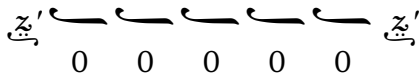
Accented on last syllable:

From Di

001 

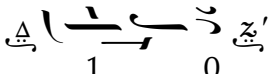
1000001 

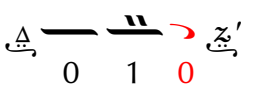

From Zo

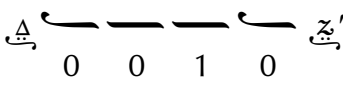
00000 

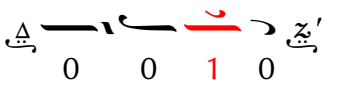

Accented on second to last syllable:

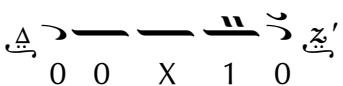
From Di

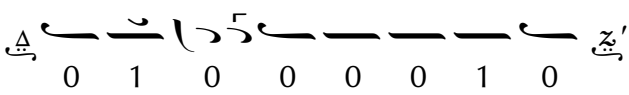
10 

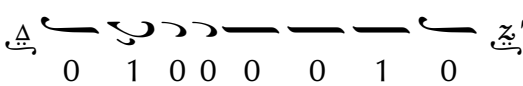
010  

0010 

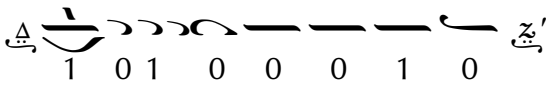
 

00X10 

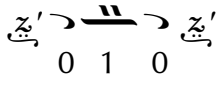
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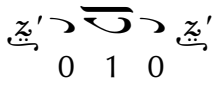



*Second Mode - Verses (Soft Chromatic)*

10100010 

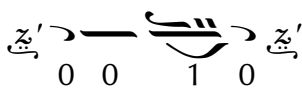
From Zo

010 



0010 

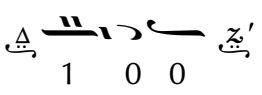


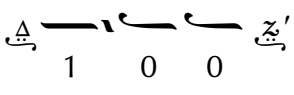


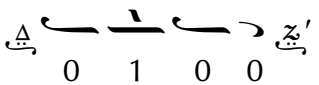
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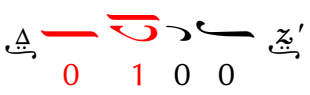
From Di

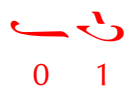
100 

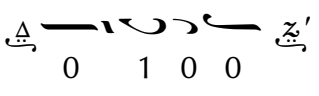


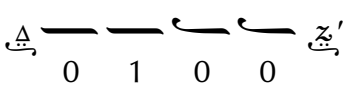


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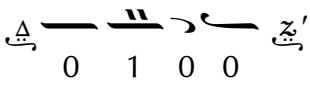
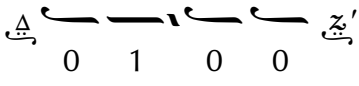
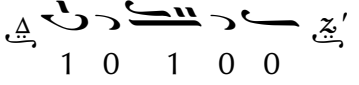
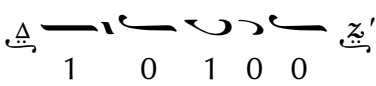
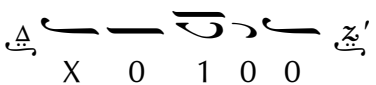
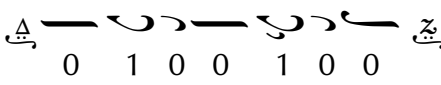
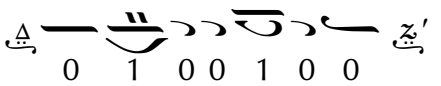




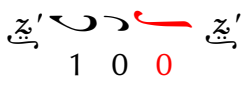

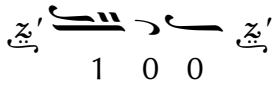
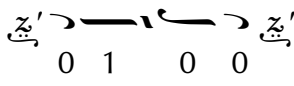





*Second Mode - Verses (Soft Chromatic)*

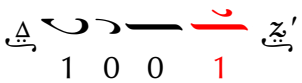
	
	
10100	
	
X0100	
0100100	
	

From Zo

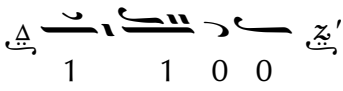
100		
		
0100		
100100		

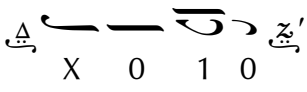
Accented on fourth to last syllable:

From Di


1001		
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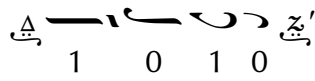
*Second Mode - Verses (Soft Chromatic)*


1100        
 1      1    0    0

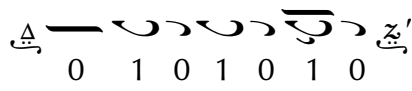
X010        
 X    0    1    0

1010        
 1    0    1    0

  
 1    0

  
 1    0    1    0

0101010        
 0    1    0    1    0    1    0

  
 0    1    0    1    0    1    0

From Zo

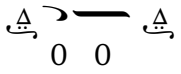
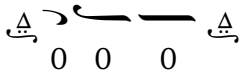
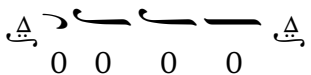
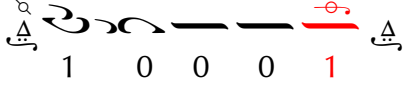
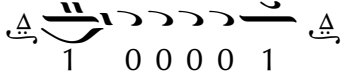
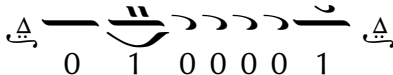

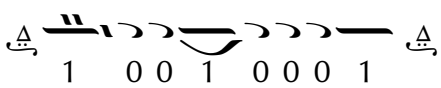
1010        
 1    0    1    0

  
 1

**B) Cadences on Di**

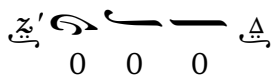
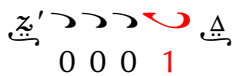
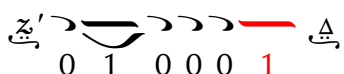
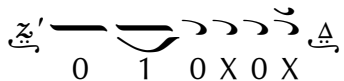
Accented on last syllable:

From Di

00	
000	
0000	
10001	
100001	
0100001	
01010001	
10010001	

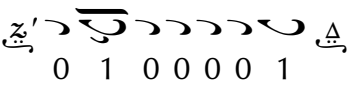


From Zo

000	
0001	
010001	
010X0X	



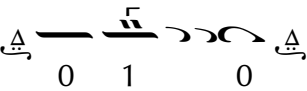

*Second Mode - Verses (Soft Chromatic)*

0100001  0 1 0 0 0 0 1

Accented on second to last syllable:

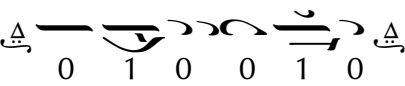
From Di

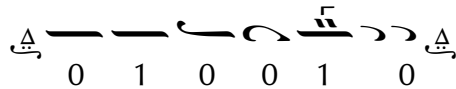
10  1 0

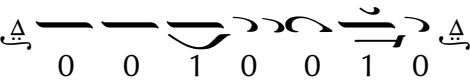
010  0 1 0

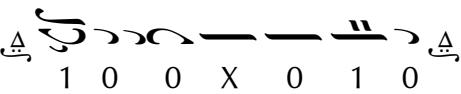
10010  1 0 0 1 0

 1

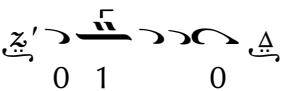
010010  0 1 0 0 1 0

 0 1 0 0 1 0

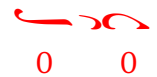
0010010  0 0 1 0 0 1 0

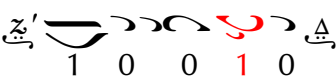
100X010  1 0 0 X 0 1 0

From Zo

010  0 1 0

0010  0 0 1 0

 0 0

10010  1 0 0 1 0

 1

 1 0 0 1 0

*Second Mode - Verses (Soft Chromatic)*

010X010

Accented on third to last syllable:

From Di

100

0100

10100

011100

100100

0000100

0100100



*Second Mode - Verses (Soft Chromatic)*

	0 1 0 0 1 0 0	
010010X		
	0 1 0 0 1 0 X	1 0
0110X00		
	0 1 1 0 X 0 0	
001000100		
	0 1 0 0 0 1 0 0	

From Zo

100		
	0 1 0 0	
0100		
	0 0 1 0 0	
	0 1 0 0	0
	0 1 0 0	
00100		
	0 0 1 0 0	0 0
10100		
	1 0 1 0 0	
100100		
	1 0 0 1 0 0	

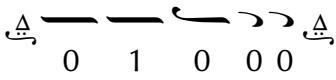
Accented on fourth to last syllable:


From Di

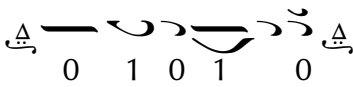
1001	
	1 0 0 1

*Second Mode - Verses (Soft Chromatic)*

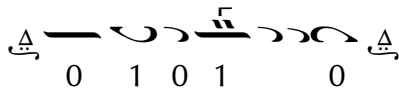
1010 


01000 

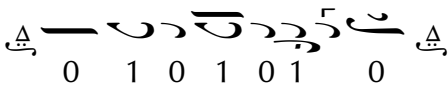
01X00 

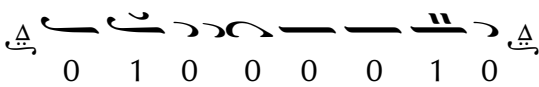
01010 



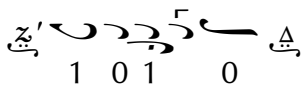


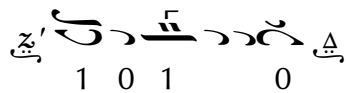
001000 

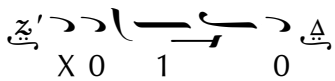
0101010 

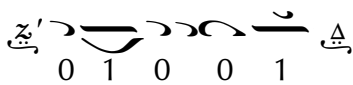
01001010 

From Zo



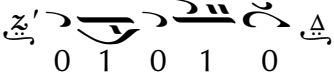


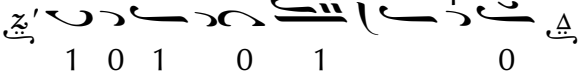




1010 



X010 

01001 

Second Mode - Verses (Soft Chromatic)

		
01010		
		
001010		
101010		
0001001		
0101010		
1001010		

*Second Mode - Verses (Soft Chromatic)*


**C) Formulae with Fthoras**

Accented on last syllable:

From Di

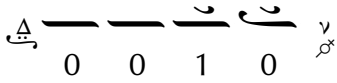
001 

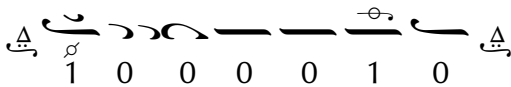
From Zo

0010100 

Accented on second to last syllable:

From Di

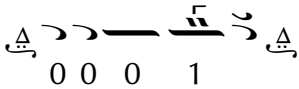
0010 

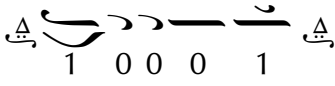
1000010 

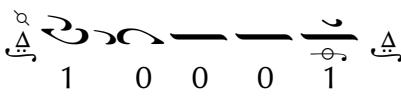
*Second Mode - Verses (Soft Chromatic)*

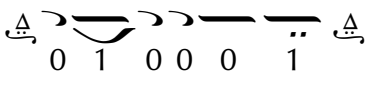
**D) Final Cadences**

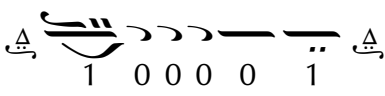
Accented on last syllable:

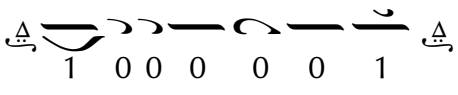
0001 

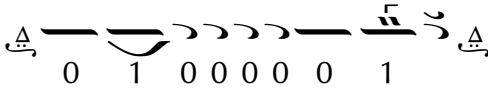
10001 

 100001

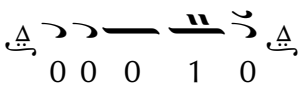
010001 

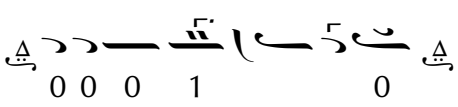
100001 

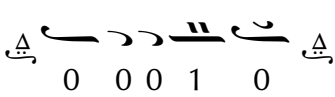
1000001 

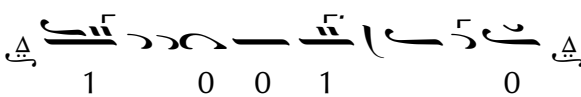
01000001 

Accented on second to last syllable:

00010 

 000100

 00010

10010 

*Second Mode - Verses (Soft Chromatic)*

0 1 0 0 1 0

1 0 0 1 0

1 0 0 1 0

000010

0 0 0 0 1 0

100010

1 0 0 0 1 0

1 0 0 0 1 0

1 0 0 0 1 0

1000010

1 0 0 0 0 1 0

1 0 0 0 0 1 0

1 0 0 0 0 1 0

1 0 0 0 0 1 0

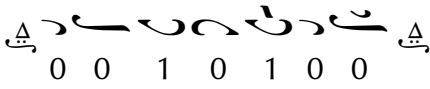
1 0 0 0 0 1 0

10100010


1 0 1 0 0 0 1 0

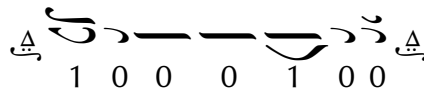
*Second Mode - Verses (Soft Chromatic)*

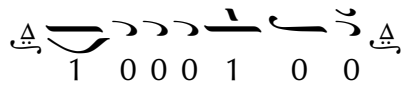
Accented on third to last syllable:

0010100   
0 0 1 0 1 0 0

1000100   
1 0 0 0 1 0 0

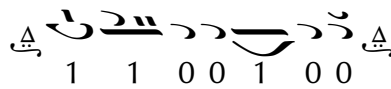
  
0 0

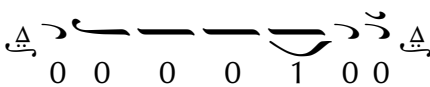
  
1 0 0 0 1 0 0

  
1 0 0 0 1 0 0

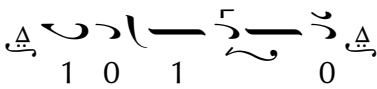
1010100   
1 0 1 0 1 0 0

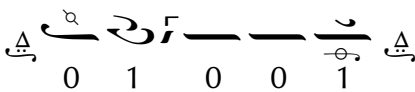
1100100   
1 1 0 0 1 0 0

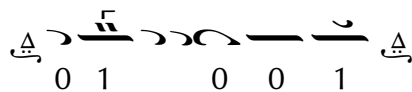
  
1 1 0 0 1 0 0

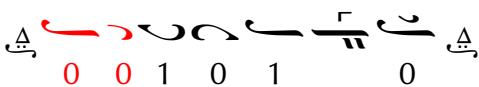
0000100   
0 0 0 0 1 0 0

Accented on fourth to last syllable:

1010   
1 0 1 0

01001   
0 1 0 0 1

  
0 1 0 0 1

001010   
0 0 1 0 1 0

  
0 0

*Second Mode - Verses (Soft Chromatic)*

00X010       $\Delta$   $\overline{\text{L}}$   $\overline{\text{L}}$   $\overline{\text{L}}$   $\overline{\text{L}}$   $\overline{\text{L}}$   $\overline{\text{L}}$   $\overline{\text{L}}$   $\Delta$   
                 0 0 X 0 1 0

101010       $\Delta$   $\overline{\text{L}}$   $\overline{\text{L}}$   $\overline{\text{L}}$   $\overline{\text{L}}$   $\overline{\text{L}}$   $\overline{\text{L}}$   $\overline{\text{L}}$   $\Delta$   
                 1 0 1 0 1 0