

BYZANTINE MUSIC FORMULAE

Fourth Mode - Heirmologic (Legetos)

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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

* The Byzantine music formulae herein were extracted from all the heirmologic melodies found in the *Zoe Anastasimatarion* (14th edition, 2002).

Fourth Mode - Heirmologic (Legetos)

A) Medial Cadences on Pa

Accented on last syllable:

From Pa

0 $\begin{matrix} \pi \\ \text{q} \end{matrix} \overline{\quad} \overline{\quad} \begin{matrix} \pi \\ \text{q} \end{matrix}$
 0 0

Accented on second to last syllable:

From Pa

01000010 $\begin{matrix} \pi \\ \text{q} \end{matrix} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \begin{matrix} \pi \\ \text{q} \end{matrix}$
 0 1 0 0 0 0 1 0

From Vou

X010 $\begin{matrix} 6 \\ \lambda \end{matrix} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \begin{matrix} \pi \\ \text{q} \end{matrix}$
 X 0 1 0

X0010 $\begin{matrix} 6 \\ \lambda \end{matrix} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \begin{matrix} \pi \\ \text{q} \end{matrix}$
 X 0 0 1 0

010010 $\begin{matrix} 6 \\ \lambda \end{matrix} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \begin{matrix} \pi \\ \text{q} \end{matrix}$
 0 1 0 0 1 0

0010010 $\begin{matrix} 6 \\ \lambda \end{matrix} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \begin{matrix} \pi \\ \text{q} \end{matrix}$
 0 0 1 0 0 1 0

0100010 $\begin{matrix} 6 \\ \lambda \end{matrix} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \begin{matrix} \pi \\ \text{q} \end{matrix}$
 0 1 0 0 0 1 0

$\overline{\quad} \overline{\quad}$
 1 0

1000010 $\begin{matrix} 6 \\ \lambda \end{matrix} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \begin{matrix} \pi \\ \text{q} \end{matrix}$
 1 0 0 0 0 1 0

00010010 $\begin{matrix} 6 \\ \lambda \end{matrix} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \begin{matrix} \pi \\ \text{q} \end{matrix}$
 0 0 0 1 0 0 1 0

00100010 $\begin{matrix} 6 \\ \lambda \end{matrix} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \begin{matrix} \pi \\ \text{q} \end{matrix}$
 0 0 1 0 0 0 1 0

Fourth Mode - Heirmologic (Legetos)

000010010 $\begin{matrix} \overset{6}{\lambda} \\ \text{0 0 0 0 1 0 0 1 0} \end{matrix} \overset{\pi}{\rho}$

100010010 $\begin{matrix} \overset{6}{\lambda} \\ \text{1 0 0 0 1 0 0 1 0} \end{matrix} \overset{\pi}{\rho}$

0001000010 $\begin{matrix} \overset{6}{\lambda} \\ \text{0 0 0 1 0 0 0 0 1 0} \end{matrix} \overset{\pi}{\rho}$

0010010010 $\begin{matrix} \overset{6}{\lambda} \\ \text{0 0 1 0 0 1 0 0 1 0} \end{matrix} \overset{\pi}{\rho}$

1001000010 $\begin{matrix} \overset{6}{\lambda} \\ \text{1 0 0 1 0 0 0 0 1 0} \end{matrix} \overset{\pi}{\rho}$

$\begin{matrix} \overset{6}{\lambda} \\ \text{1 0} \end{matrix} \overset{\pi}{\rho}$

01001000010 $\begin{matrix} \overset{6}{\lambda} \\ \text{0 1 0 0 1 0 0 0 0 1 0} \end{matrix} \overset{\pi}{\rho}$

From Di

0010010 $\begin{matrix} \overset{\Delta}{\lambda} \\ \text{0 0 1 0 0 1 0} \end{matrix} \overset{\pi}{\rho}$

Accented on third to last syllable:

From Vou

0100 $\begin{matrix} \overset{6}{\lambda} \\ \text{0 1 0 0} \end{matrix} \overset{\pi}{\rho}$

10100 $\begin{matrix} \overset{6}{\lambda} \\ \text{1 0 1 0 0} \end{matrix} \overset{\pi}{\rho}$

100100 $\begin{matrix} \overset{6}{\lambda} \\ \text{1 0 0 1 0 0} \end{matrix} \overset{\pi}{\rho}$

1000100 $\begin{matrix} \overset{6}{\lambda} \\ \text{1 0 0 0 1 0 0} \end{matrix} \overset{\pi}{\rho}$

00100100 $\begin{matrix} \overset{6}{\lambda} \\ \text{0 0 1 0 0 1 0 0} \end{matrix} \overset{\pi}{\rho}$

Fourth Mode - Heirmologic (Legetos)

1001010	$\overset{6}{\lambda} \begin{array}{cccccccc} \curvearrowright & \curvearrowright & \text{—} & \curvearrowright & \curvearrowright & \overline{\curvearrowright} & \overline{\curvearrowright} & \overline{\curvearrowright} \end{array} \overset{\pi}{\eta}$
	$\underset{\lambda}{\eta} \begin{array}{cccccccc} 1 & 0 & 0 & 1 & 0 & 1 & 0 & 0 \end{array}$
0001010	$\overset{6}{\lambda} \begin{array}{cccccccc} \curvearrowright & \text{—} & \text{—} & \curvearrowright & \curvearrowright & \overline{\curvearrowright} & \overline{\curvearrowright} & \overline{\curvearrowright} \end{array} \overset{\pi}{\eta}$
	$\underset{\lambda}{\eta} \begin{array}{cccccccc} 0 & 0 & 0 & 1 & 0 & 1 & 0 & 0 \end{array}$
0010001001	$\overset{6}{\lambda} \begin{array}{cccccccccccc} \curvearrowright & \text{—} & \text{—} & \text{—} & \text{—} & \curvearrowright & \curvearrowright & \curvearrowright & \curvearrowright & \overline{\curvearrowright} & \overline{\curvearrowright} & \overline{\curvearrowright} \end{array} \overset{\pi}{\eta}$
	$\underset{\lambda}{\eta} \begin{array}{cccccccccccc} 0 & 0 & 1 & 0 & 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 & 1 \end{array}$

Fourth Mode - Heirmologic (Legetos)

B) Medial Cadences on Vou

Note: These formulae are also used for final cadences.

Also note that for the rest of these formulae in heirmologic fourth mode, formulae from Pa can be created by merely taking a formula from Vou and increasing the initial jump by one.

Accented on last syllable:

From Pa

000 $\begin{array}{c} \pi \\ \uparrow \\ 0 \end{array} \overline{\quad} \overline{\quad} \begin{array}{c} \delta \\ \downarrow \\ \lambda \end{array}$

From Vou

1 $\begin{array}{c} \delta \\ \downarrow \\ \lambda \end{array} \overline{\quad} \begin{array}{c} \delta \\ \downarrow \\ \lambda \end{array}$

00 $\begin{array}{c} \delta \\ \downarrow \\ \lambda \end{array} \overline{\quad} \overline{\quad} \begin{array}{c} \delta \\ \downarrow \\ \lambda \end{array}$

000 $\begin{array}{c} \delta \\ \downarrow \\ \lambda \end{array} \overline{\quad} \overline{\quad} \overline{\quad} \begin{array}{c} \delta \\ \downarrow \\ \lambda \end{array}$

0000 $\begin{array}{c} \delta \\ \downarrow \\ \lambda \end{array} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \begin{array}{c} \delta \\ \downarrow \\ \lambda \end{array}$

10001 $\begin{array}{c} \delta \\ \downarrow \\ \lambda \end{array} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \begin{array}{c} \delta \\ \downarrow \\ \lambda \end{array}$

$\begin{array}{c} \delta \\ \downarrow \\ \lambda \end{array} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \begin{array}{c} \delta \\ \downarrow \\ \lambda \end{array}$

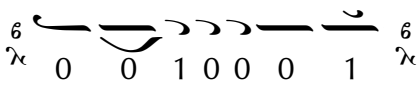
010001 $\begin{array}{c} \delta \\ \downarrow \\ \lambda \end{array} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \begin{array}{c} \delta \\ \downarrow \\ \lambda \end{array}$

$\overline{\quad} \overline{\quad}$
0 1

100001 $\begin{array}{c} \delta \\ \downarrow \\ \lambda \end{array} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \begin{array}{c} \delta \\ \downarrow \\ \lambda \end{array}$

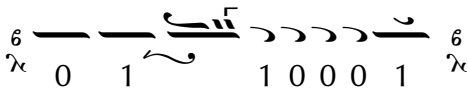
$\begin{array}{c} \delta \\ \downarrow \\ \lambda \end{array} \overline{\quad} \overline{\quad} \overline{\quad} \overline{\quad} \begin{array}{c} \delta \\ \downarrow \\ \lambda \end{array}$


Fourth Mode - Heirmologic (Legetos)

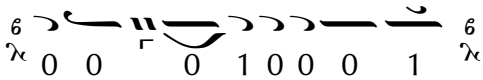
0010001 




0100001 

0110001 

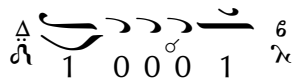
1010001 

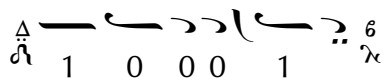
00010001 

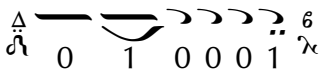
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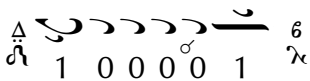
From Di

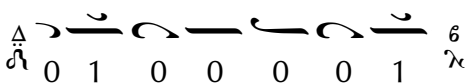
10001 





010001 

100001 

0100001 

Fourth Mode - Heirmologic (Legetos)

Δ
 δ 0 1 0 0 0 0 1 $\overset{6}{\lambda}$

1010001

Δ
 δ 1 0 1 0 0 0 1 $\overset{6}{\lambda}$

010X0001

Δ
 δ 0 1 0 X 0 0 0 1 $\overset{6}{\lambda}$

Accented on second to last syllable:

From Pa

0

π
 η 0 $\overset{6}{\lambda}$

10

π
 η 1 0 $\overset{6}{\lambda}$

010

π
 η 0 1 0 $\overset{6}{\lambda}$

0100010

π
 η 0 1 0 0 0 1 0 $\overset{6}{\lambda}$

From Vou

0010

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

0101000010

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

From Di

0010

Δ
 δ 0 0 1 0 $\overset{6}{\lambda}$

Fourth Mode - Heirmologic (Legetos)

$\begin{array}{c} \Delta \\ \delta \end{array} \begin{array}{cccc} \text{blue} & \text{blue} & \text{red} & \text{red} \\ 0 & 0 & 1 & 0 \end{array} \begin{array}{c} 6 \\ \lambda \end{array}$

$\begin{array}{cccc} \text{blue} & \text{blue} & \text{red} & \text{red} \\ 0 & 0 & 1 & 0 \end{array}$

$\begin{array}{c} \Delta \\ \delta \end{array} \begin{array}{cccc} \text{black} & \text{black} & \text{black} & \text{black} \\ 0 & 0 & 1 & 0 \end{array} \begin{array}{c} 6 \\ \lambda \end{array}$

00010

$\begin{array}{c} \Delta \\ \delta \end{array} \begin{array}{cccc} \text{black} & \text{black} & \text{black} & \text{black} \\ 0 & 0 & 0 & 1 \end{array} \begin{array}{c} 6 \\ \lambda \end{array}$

10010

$\begin{array}{c} \Delta \\ \delta \end{array} \begin{array}{cccc} \text{black} & \text{black} & \text{black} & \text{black} \\ 1 & 0 & 0 & 1 \end{array} \begin{array}{c} 6 \\ \lambda \end{array}$

$\begin{array}{c} \Delta \\ \delta \end{array} \begin{array}{cccc} \text{red} & \text{black} & \text{black} & \text{blue} \\ 1 & 0 & 0 & 1 \end{array} \begin{array}{c} 6 \\ \lambda \end{array}$

$\begin{array}{ccc} \text{red} & \text{blue} & \text{blue} \\ 1 & 1 & 0 \end{array}$

$\begin{array}{ccc} \text{blue} & \text{blue} & \text{blue} \\ 1 & & 0 \end{array}$

0X0010

$\begin{array}{c} \Delta \\ \delta \end{array} \begin{array}{cccc} \text{black} & \text{black} & \text{blue} & \text{red} \\ 0 & X & 0 & 1 \end{array} \begin{array}{c} 6 \\ \lambda \end{array}$

$\begin{array}{ccc} \text{blue} & \text{red} & \text{red} \\ 0 & 1 & 0 \end{array}$

010010

$\begin{array}{c} \Delta \\ \delta \end{array} \begin{array}{cccc} \text{black} & \text{black} & \text{red} & \text{black} \\ 0 & 1 & 0 & 0 \end{array} \begin{array}{c} 6 \\ \lambda \end{array}$

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

$\begin{array}{c} \Delta \\ \delta \end{array} \begin{array}{cccc} \text{black} & \text{black} & \text{black} & \text{black} \\ 0 & 1 & 0 & 0 \end{array} \begin{array}{c} 6 \\ \lambda \end{array}$

10X010

$\begin{array}{c} \Delta \\ \delta \end{array} \begin{array}{cccc} \text{black} & \text{black} & \text{red} & \text{red} \\ 1 & 0 & X & 0 \end{array} \begin{array}{c} 6 \\ \lambda \end{array}$

$\begin{array}{cc} \text{red} & \text{red} \\ 1 & 0 \end{array}$

Fourth Mode - Heirmologic (Legetos)

1 0

1 0

1 0

0000010 $\overset{\Delta}{\delta}$ 0 0 0 0 0 1 0 $\overset{6}{\lambda}$

0010010 $\overset{\Delta}{\delta}$ 0 0 1 0 0 1 0 $\overset{6}{\lambda}$ 0

1000010 $\overset{\Delta}{\delta}$ 1 0 0 0 0 1 0 $\overset{6}{\lambda}$

1010010 $\overset{\Delta}{\delta}$ 1 0 1 0 0 1 0 $\overset{6}{\lambda}$ 0

00000010 $\overset{\Delta}{\delta}$ 0 0 0 0 0 0 1 0 $\overset{6}{\lambda}$

01000010 $\overset{\Delta}{\delta}$ 0 1 0 0 0 0 1 0 $\overset{6}{\lambda}$
 1 0 0 1 0

10000010 $\overset{\Delta}{\delta}$ 1 0 0 0 0 0 1 0 $\overset{6}{\lambda}$

01010010 $\overset{\Delta}{\delta}$ 0 1 0 1 0 0 1 0 $\overset{6}{\lambda}$

10010010 $\overset{\Delta}{\delta}$ 1 0 0 1 0 0 1 0 $\overset{6}{\lambda}$

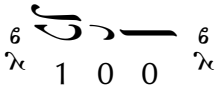
100100010 $\overset{\Delta}{\delta}$ 1 0 0 1 0 0 0 1 0 $\overset{6}{\lambda}$

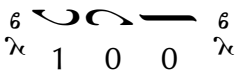
Fourth Mode - Heirmologic (Legetos)

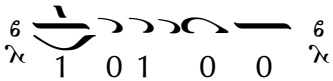
Accented on third to last syllable:

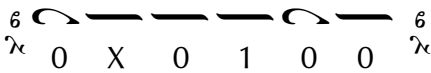
From Vou

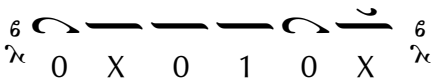
100  




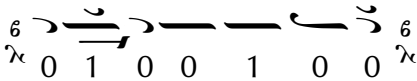


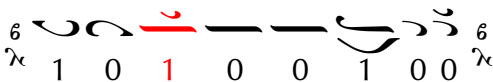
10100 

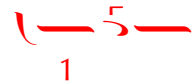
0X0100 

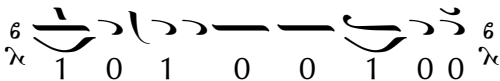
0X010X 

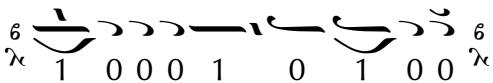
0100100 




10100100 





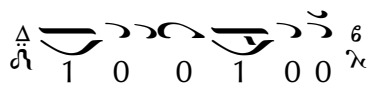
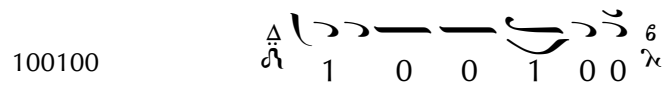
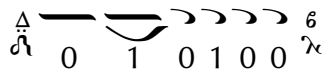
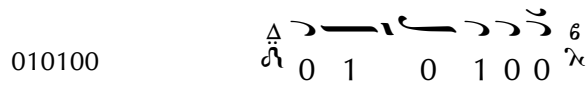
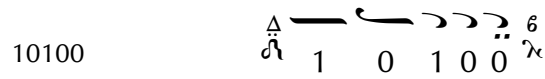
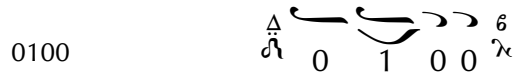
100010100 

100100100 

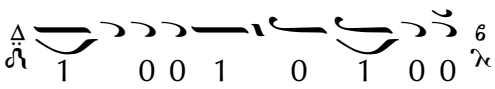
Fourth Mode - Heirmologic (Legetos)

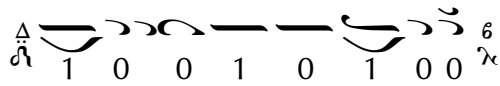


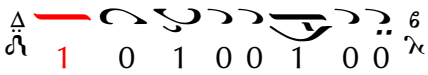
From Di



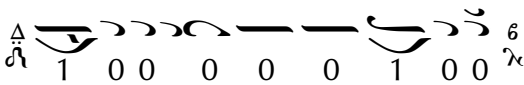
Fourth Mode - Heirmologic (Legetos)

10010100 



10100100 




100010100 

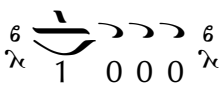
100100100 

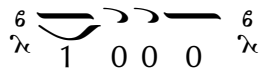
Accented on fourth to last syllable:

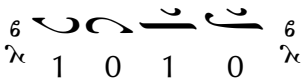
From Pa

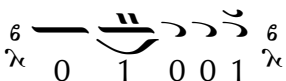
01001 

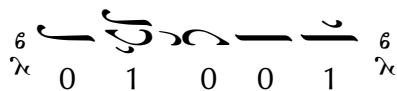
From Vou

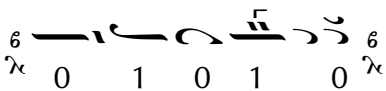
1000 



1010 

01001 



01010 

Fourth Mode - Heirmologic (Legetos)

001001 $\overset{6}{\lambda} \text{ — — — — — } \overset{6}{\lambda}$
 $\underset{\Delta}{\delta} \text{ 0 0 1 0 0 1}$

From Di

1001 $\overset{\Delta}{\delta} \text{ — — — — — } \overset{6}{\lambda}$
 $\underset{\delta}{\Delta} \text{ 1 0 0 1}$

1010 $\overset{\Delta}{\delta} \text{ — — — — — } \overset{6}{\lambda}$ $\overset{\Delta}{\delta} \text{ — — — — — } \overset{6}{\lambda}$
 $\underset{\delta}{\Delta} \text{ 1 0 1 0}$ $\underset{\delta}{\Delta} \text{ 1 0}$

01001 $\overset{\Delta}{\delta} \text{ — — — — — } \overset{6}{\lambda}$ $\overset{\Delta}{\delta} \text{ — — — — — } \overset{6}{\lambda}$
 $\underset{\delta}{\Delta} \text{ 0 1 0 0 1}$ $\underset{\delta}{\Delta} \text{ 1}$

001001 $\overset{\Delta}{\delta} \text{ — — — — — } \overset{6}{\lambda}$

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

10X010 $\overset{\Delta}{\delta} \text{ — — — — — } \overset{6}{\lambda}$
 $\underset{\delta}{\Delta} \text{ 1 0 X 0 1 0}$

$\overset{\Delta}{\delta} \text{ — — — — — } \overset{6}{\lambda}$
 $\underset{\delta}{\Delta} \text{ 1 0}$

$\overset{\Delta}{\delta} \text{ — — — — — } \overset{6}{\lambda}$
 $\underset{\delta}{\Delta} \text{ 1 0}$

$\overset{\Delta}{\delta} \text{ — — — — — } \overset{6}{\lambda}$
 $\underset{\delta}{\Delta} \text{ 1 0}$

$\overset{\Delta}{\delta} \text{ — — — — — } \overset{6}{\lambda}$
 $\underset{\delta}{\Delta} \text{ 1 0}$

01001010 $\overset{\Delta}{\delta} \text{ — — — — — } \overset{6}{\lambda}$
 $\underset{\delta}{\Delta} \text{ 0 1 0 0 1 0 1 0}$

10001001 $\overset{\Delta}{\delta} \text{ — — — — — } \overset{6}{\lambda}$
 $\underset{\delta}{\Delta} \text{ 1 0 0 0 1 0 0 1}$

Fourth Mode - Heirmologic (Legetos)

10001010 $\overset{\Delta}{\underset{\delta}{\lambda}} \overset{\Gamma}{\curvearrowright} \curvearrowright \curvearrowright \curvearrowright \curvearrowright \curvearrowright \overset{\Gamma}{\curvearrowright} \curvearrowright \overset{6}{\lambda}$
 1 0 0 0 1 0 1 0

100001001 $\overset{\Delta}{\underset{\delta}{\lambda}} \curvearrowright \curvearrowright \curvearrowright \curvearrowright \curvearrowright \curvearrowright \curvearrowright \curvearrowright \overset{6}{\lambda}$
 1 0 0 0 0 1 0 0 1

Fourth Mode - Heirmologic (Legetos)

C) Medial Cadences on Di

Accented on last syllable:

From Pa

00	π q		Δ δ
01	π q		Δ δ
001	π q		Δ δ
0001	π q		Δ δ
100001	π q		Δ δ
0010001	π q		Δ δ

From Vou

000	ξ λ		Δ δ	
001	ξ λ		Δ δ	
0001	ξ λ		Δ δ	
00001	ξ λ		Δ δ	
	ξ λ		Δ δ	
10001	ξ λ		Δ δ	

Fourth Mode - Heirmologic (Legetos)

$\overset{6}{\lambda} \overline{\text{1}} \overline{\text{000}} \overline{\text{1}} \overset{\Delta}{\text{di}}$

010001

$\overset{6}{\lambda} \overline{\text{0}} \overline{\text{1}} \overline{\text{000}} \overline{\text{1}} \overset{\Delta}{\text{di}}$

$\overset{6}{\lambda} \overline{\text{0}} \overline{\text{10}} \overline{\text{000}} \overline{\text{1}} \overset{\Delta}{\text{di}}$

100001

$\overset{6}{\lambda} \overline{\text{1}} \overline{\text{0000}} \overline{\text{1}} \overset{\Delta}{\text{di}}$

0100001

$\overset{6}{\lambda} \overline{\text{0}} \overline{\text{10000}} \overline{\text{1}} \overset{\Delta}{\text{di}}$

10X0X01

$\overset{6}{\lambda} \overline{\text{10X0X0}} \overline{\text{1}} \overset{\Delta}{\text{di}}$

From Di

000

$\overset{\Delta}{\text{di}} \overline{\text{000}} \overset{\Delta}{\text{di}}$

$\overset{\Delta}{\text{di}} \overline{\text{000}} \overset{\Delta}{\text{di}}$

00000

$\overset{\Delta}{\text{di}} \overline{\text{00000}} \overset{\Delta}{\text{di}}$

01

$\overset{\Delta}{\text{di}} \overline{\text{01}} \overset{\Delta}{\text{di}}$

001

$\overset{\Delta}{\text{di}} \overline{\text{001}} \overset{\Delta}{\text{di}}$

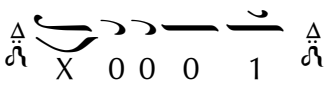
0001

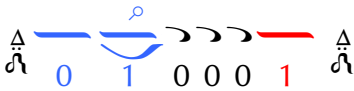

$\overset{\Delta}{\text{di}} \overline{\text{0001}} \overset{\Delta}{\text{di}}$

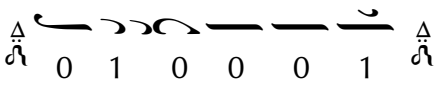
10X01

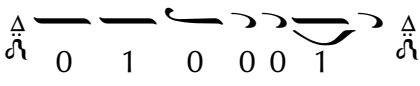
$\overset{\Delta}{\text{di}} \overline{\text{10X01}} \overset{\Delta}{\text{di}}$

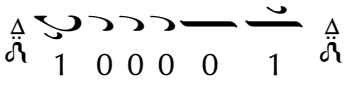
Fourth Mode - Heirmologic (Legetos)

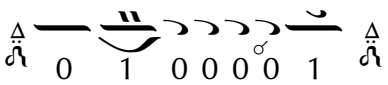
X0001 

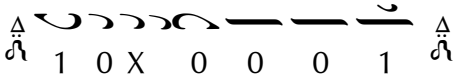
010001 


010001 

010001 

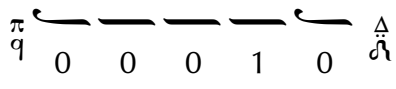
100001 

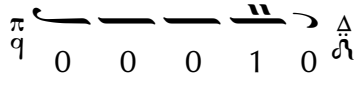
0100001 

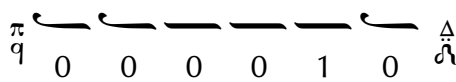
10X0001 

Accented on second to last syllable:

From Pa

00010 

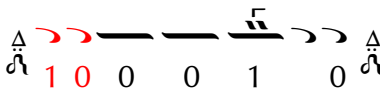

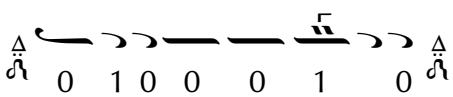
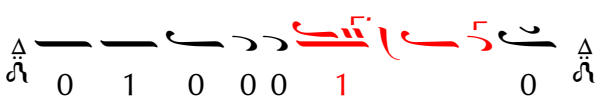

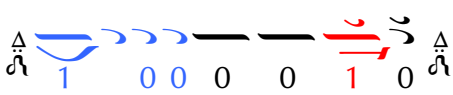


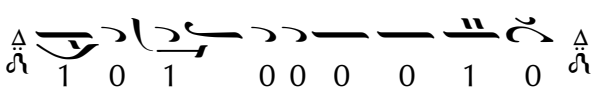
00010 

000010 

From Vou

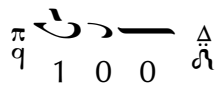
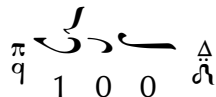
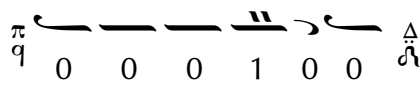
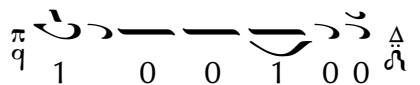
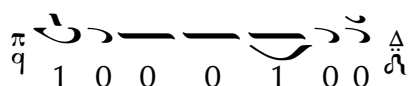
10  

Fourth Mode - Heirmologic (Legetos)

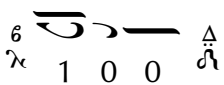
		
0100010		
		
1000010		
		
101000010		

Accented on third to last syllable:

From Pa

100	
	
000100	
100100	
1000100	

From Vou

100	
-----	-------------------------------------------------------------------------------------

Fourth Mode - Heirmologic (Legetos)

	$\overset{6}{\lambda} \text{ — } \text{ — } \text{ — } \text{ — } \text{ — } \text{ — } \overset{\Delta}{\text{A}}$
	$\underset{\lambda}{0} \ 1 \ 0 \ 0 \ 1 \ 0 \ 0$
0100101	$\overset{6}{\lambda} \text{ — } \text{ — } \text{ — } \text{ — } \text{ — } \text{ — } \overset{\Delta}{\text{A}}$
	$\underset{\lambda}{0} \ 1 \ 0 \ 0 \ 1 \ 0 \ 1$
0000100	$\overset{6}{\lambda} \text{ — } \text{ — } \text{ — } \text{ — } \text{ — } \text{ — } \overset{\Delta}{\text{A}}$
	$\underset{\lambda}{0} \ 0 \ 0 \ 0 \ 1 \ 0 \ 0$
1000100	$\overset{6}{\lambda} \text{ — } \text{ — } \text{ — } \text{ — } \text{ — } \text{ — } \overset{\Delta}{\text{A}}$
	$\underset{\lambda}{1} \ 0 \ 0 \ 0 \ 1 \ 0 \ 0$
000X0100	$\overset{6}{\lambda} \text{ — } \text{ — } \text{ — } \text{ — } \text{ — } \text{ — } \overset{\Delta}{\text{A}}$
	$\underset{\lambda}{0} \ 0 \ 0 \ X \ 0 \ 1 \ 0 \ 0$
101000100	$\overset{6}{\lambda} \text{ — } \text{ — } \text{ — } \text{ — } \text{ — } \text{ — } \overset{\Delta}{\text{A}}$
	$\underset{\lambda}{1} \ 0 \ 1 \ 0 \ 0 \ 0 \ 1 \ 0 \ 0$

From Di

100	$\overset{\Delta}{\text{A}} \text{ — } \text{ — } \text{ — } \overset{\Delta}{\text{A}}$
	$\underset{\lambda}{1} \ 0 \ 0$
	$\overset{\Delta}{\text{A}} \text{ — } \text{ — } \text{ — } \overset{\Delta}{\text{A}}$
	$\underset{\lambda}{1} \ 0 \ 0$
	$\overset{\Delta}{\text{A}} \text{ — } \text{ — } \text{ — } \overset{\Delta}{\text{A}}$
	$\underset{\lambda}{1} \ 0 \ 0$
	$\overset{\Delta}{\text{A}} \text{ — } \text{ — } \text{ — } \overset{\Delta}{\text{A}}$
	$\underset{\lambda}{1} \ 0 \ 0$
10X	$\overset{\Delta}{\text{A}} \text{ — } \text{ — } \text{ — } \overset{\Delta}{\text{A}}$
	$\underset{\lambda}{1} \ 0 \ X$
0100	$\overset{\Delta}{\text{A}} \text{ — } \text{ — } \text{ — } \overset{\Delta}{\text{A}}$
	$\underset{\lambda}{0} \ 1 \ 0 \ 0$

$\overset{\Delta}{\text{A}} \text{ — } \text{ — } \text{ — } \overset{\Delta}{\text{A}}$
1 0

Fourth Mode - Heirmologic (Legetos)

$\overset{\Delta}{\underset{\text{A}}{\text{A}}} \quad 1 \quad 0 \quad 0 \quad 0 \quad 1 \quad 0 \quad 0 \quad \overset{\Delta}{\underset{\text{A}}{\text{A}}}$



$\overset{\Delta}{\underset{\text{A}}{\text{A}}} \quad 1 \quad 0 \quad 0 \quad 0 \quad 0 \quad 1 \quad 0 \quad 0 \quad \overset{\Delta}{\underset{\text{A}}{\text{A}}}$

1010100

$\overset{\Delta}{\underset{\text{A}}{\text{A}}} \quad 1 \quad 0 \quad 1 \quad 0 \quad 1 \quad 0 \quad 0 \quad \overset{\Delta}{\underset{\text{A}}{\text{A}}}$

01000100

$\overset{\Delta}{\underset{\text{A}}{\text{A}}} \quad 0 \quad 1 \quad 0 \quad 0 \quad 0 \quad 1 \quad 0 \quad 0 \quad \overset{\Delta}{\underset{\text{A}}{\text{A}}}$

000100100

$\overset{\Delta}{\underset{\text{A}}{\text{A}}} \quad 0 \quad 0 \quad 0 \quad 1 \quad 0 \quad 0 \quad 1 \quad 0 \quad 0 \quad \overset{\Delta}{\underset{\text{A}}{\text{A}}}$

Accented on fourth to last syllable:

From Vou

1001

$\overset{6}{\lambda} \quad 1 \quad 0 \quad 0 \quad 1 \quad \overset{\Delta}{\underset{\text{A}}{\text{A}}}$

$\overset{6}{\lambda} \quad 1 \quad 0 \quad 0 \quad 1 \quad \overset{\Gamma}{\overset{\Delta}{\underset{\text{A}}{\text{A}}}}$

$\overset{6}{\lambda} \quad 1 \quad 0 \quad 0 \quad 1 \quad \overset{\Delta}{\underset{\text{A}}{\text{A}}}$



1010

$\overset{6}{\lambda} \quad 1 \quad 0 \quad 1 \quad 0 \quad \overset{\Delta}{\underset{\text{A}}{\text{A}}}$

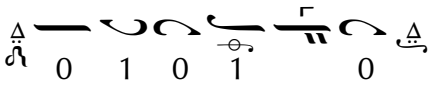
$\overset{6}{\lambda} \quad 1 \quad 0 \quad 1 \quad 0 \quad \overset{\Delta}{\underset{\text{A}}{\text{A}}}$

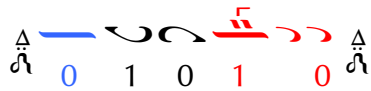
$\overset{6}{\lambda} \quad 1 \quad 0 \quad 1 \quad 0 \quad \overset{\Delta}{\underset{\text{A}}{\text{A}}}$


01001

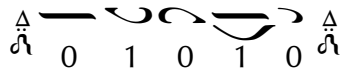
$\overset{6}{\lambda} \quad 0 \quad 1 \quad 0 \quad 0 \quad 1 \quad \overset{\Delta}{\underset{\text{A}}{\text{A}}}$

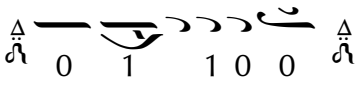
Fourth Mode - Heirmologic (Legetos)

01010 





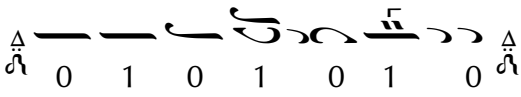


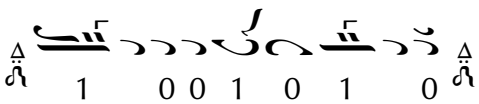
01100 

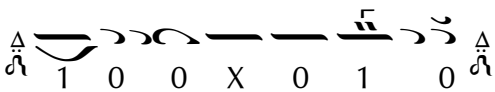
101010 

X0X010 



0101010 

1001010 

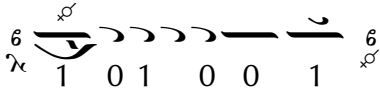
100X010 

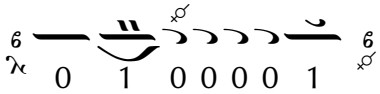
Fourth Mode - Heirmologic (Legetos)

D) Formulae with Fthores

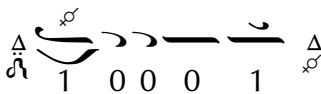
Accented on last syllable:

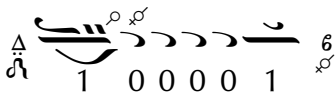
From Vou

10X001 

0100001 

From Di

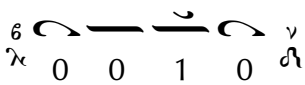
10001 

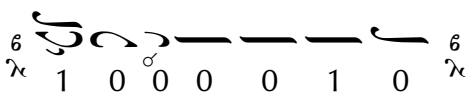
100001 

110001 

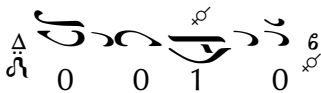
Accented on second to last syllable:

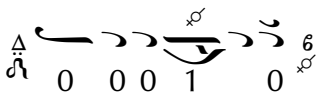
From Vou

0010 

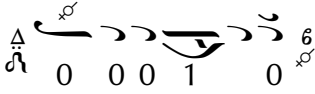
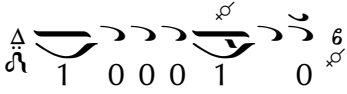
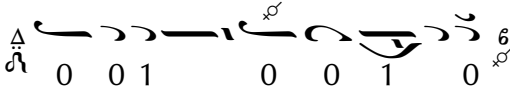
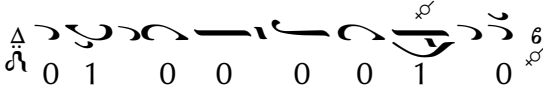
1000010 

From Di

0010 

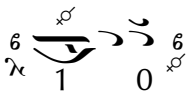
00010 

Fourth Mode - Heirmologic (Legetos)


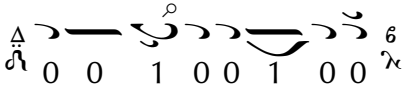
	
100010	
0010010	
01000010	

Accented on third to last syllable:

From Vou

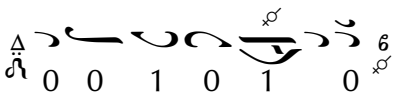
100	
-----	-----------------------------------------------------------------------------------

From Di

100100	
00100100	

Accented on fourth to last syllable:

From Di

001010	
--------	-------------------------------------------------------------------------------------

Fourth Mode - Heirmologic (Legetos)

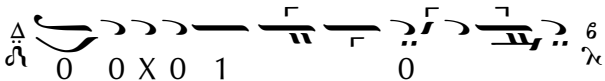
E) Endings for Theotokia*

Accented on last syllable:

(A formula ending in 100 may be used here)


Accented on second to last syllable:

From Di

00X010 

Accented on third to last syllable:

From Vou

0100X0100 

From Di

00100 

100100 

0100100 

1000100 

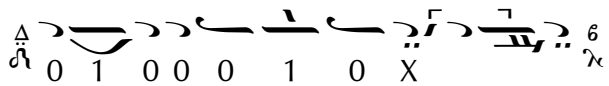


* The formulae in blue in this section are from the Athonite oral tradition, as represented in the book *Παρακλητικής, Μουσικὸν Ἐγκόλπιον, Πλάγιοι Ἦχοι, Ἱεροθέου Ἱερομονάχου, ἐκδόσεις Ἱ.Μ. Φιλοθέου, Ἁγίου Ὄρους, 2004.*

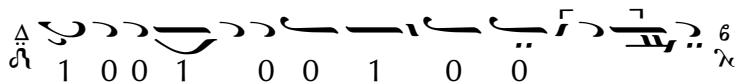
Fourth Mode - Heirmologic (Legetos)



0100010X



100100100



Accented on fourth to last syllable:

From Di

1001

