

# Heptatonic Modes Matrix

	major	harmonic minor, jazz minor	melodic minor	harmonic major	double harmonic major	Neapolitan minor	Neapolitan major
intervals (semitones)-->	(2,2,1,2,2,2,1)	(2,1,2,2,1,3,1)	(2,1,2,2,2,2,1)	(2,2,1,2,1,3,1)	(1,3,1,2,1,3,1)	(1,2,2,2,1,3,1)	(1,2,2,2,2,2,1)
<b>1st mode</b>	Ionian	harmonic minor, jazz minor	melodic minor	harmonic major	double harmonic major, Mayamalavagowla, Bhairav Raga, Byzantine scale, Arabic (Hijaz Kar), and Gypsy major		
<b>2nd mode</b>	Dorian	Locrian natural 6	Dorian ♭ 9	Dorian ♭ 5	Lydian #2 #6		
<b>3rd mode</b>	Phrygian	Ionian #5	Lydian augmented	Phrygian ♭ 4	ultraphrygian		
<b>4th mode</b>	Lydian	Dorian #11, Dorian #4, Romanian minor, Ukrainian Dorian, Jewish	Lydian dominant, acoustic, Lydian ♭ 7, Mixolydian #11	Lydian ♭ 3	Hungarian/Gypsy minor	Lydian minor	
<b>5th mode</b>	Mixolydian	Phrygian dominant, Spanish Phrygian, Phrygian major, gypsy, Mixolydian ♭ 9 ♭ 13	Mixolydian ♭ 13	Mixolydian ♭ 2, Sarasongi	Oriental		major Locrian
<b>6th mode</b>	Aeolian	Lydian #2	Locrian #2, Locrian natural 2	Lydian Augmented #2	Ionian #2 #5		
<b>7th mode</b>	Locrian	super Locrian ♭ ♭ 7	super Locrian, altered dominant, Locrian ♭ 4, Ravel, Pomeroy, diminished-whole tone	Locrian 7	Locrian ♭ ♭ 3 ♭ ♭ 7		

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