

Keyboard Mapping for Artemisia-12 Tuning

	68.555	288.867		564.844	772.266	992.578		
	C+4	Eb4		F+4	G+4	Bb4		
	68.6 138.9	81.4 68.6		68.6 138.9	68.6 138.9	81.4 68.6		
C4	D4	Ed4	F4	G4	A4	Bd4	C5	
0	207.422	357.422	496.289	703.711	911.133	1061.133	1200	
	207.422	150.000	138.867	207.422	207.422	150.000	138.867	
	T	K	S	T	T	K	S	

T = (T)anini or tone at 207.422 cents (~9:8 or ~44:39)
 K = (K)abir or "greater" middle second at 150.000 cents (~12:11)
 S = (S)aghir or "lesser" middle second at 138.867 cents (~13:12)

Modes of Mohajira-7 (generators 357.422-346.289 cents)

Mode 1: Uddal	C4	D4	Ed4	F+4	G4	A4	Bd4	C5
	0	207.4	357.4	564.8	703.7	911.1	1061.1	1200
		T	K	T	S	T	K	S
Mode 2: Nahaft	D4	Ed4	F+4	G4	A4	Bd4	C5	D5
	0	150.0	357.4	496.3	703.7	853.7	992.6	1200
		K	T	S	T	K	S	T
Mode 3: Uddal Moha	Ed4	F+4	G4	A4	Bd4	C5	D5	Ed5
	0	207.4	346.3	553.7	703.7	842.6	1050.0	1200
		T	S	T	K	S	T	K
Mode 4: Mohajirayn	F+4	G4	A4	Bd4	C5	D5	Ed5	F+5
	0	138.9	346.3	496.3	635.2	842.6	992.6	1200
		S	T	K	S	T	K	T
Mode 5: Folk Rast	G4	A4	Bd4	C5	D5	Ed5	F+5	G5
	0	207.4	357.4	496.3	703.7	853.7	1061.1	1200
		T	K	S	T	K	T	S
Mode 6: Bayyati Moha	A4	Bd4	C5	D5	Ed5	F+5	G5	A5
	0	150.0	288.9	496.9	646.3	853.7	992.6	1200
		K	S	T	K	T	S	T
Mode 7: 'Awj	Bd4	C5	D5	Ed5	F+5	G5	A5	Bd5
	0	138.9	346.3	496.3	703.7	842.6	1050.0	1200
		S	T	K	T	S	T	K

Modes of Mohajira-7 (generators 346.289-357.422 cents)

Mode 1: Uddal	Ed4	F+4	G4	A4	Bd4	C+5	D5	Ed5
	0	207.4	346.3	553.7	703.7	911.1	1050.0	1200
		T	S	T	K	T	S	K
Mode 2: Nahaft	F+4	G4	A4	Bd4	C+5	D5	Ed5	F+4
	0	138.9	346.3	496.3	703.7	842.6	992.6	1200
		S	T	K	T	S	K	T
Mode 3: Uddal Moha	G4	A4	Bd4	C+5	D5	Ed5	F+5	G5
	0	207.4	357.4	564.8	703.7	853.7	1061.1	1200
		T	K	T	S	K	T	S
Mode 4: Mohajirayn	A4	Bd4	C+5	D5	Ed5	F+5	G5	A5
	0	150.0	357.4	496.3	646.3	853.7	992.6	1200
		K	T	S	K	T	S	T
Mode 5: Folk Rast or Folk Mustaqim	Bd4	C+5	D5	Ed5	F+5	G5	A5	Bd5
	0	207.4	346.3	496.3	703.7	842.6	1050.0	1200
		T	S	K	T	S	T	K
Mode 6: Bayyati Moha	C+5	D5	Ed5	F+5	G5	A5	Bd5	C+5
	0	138.9	288.9	496.3	635.2	842.6	992.6	1200
		S	K	T	S	T	K	T
Mode 7: 'Awj	D5	Ed5	F+5	G5	A5	Bd5	C~5	D5
	0	150.0	357.4	496.3	703.7	853.7	1061.1	1200
		K	T	S	T	K	T	S

Modes of Disjunct Rast (C-D-Ed-F-G-A-Bd-C), the Arab Fundamental Scale

Mode 1: Disjunct Rast	C4	D4	Ed4	F4	G4	A4	Bd4	C5
	0	207.4	357.4	496.3	703.7	911.1	1061.1	1200
	T	K	S	T	T	K	S	
Mode 2: Huseyni	D4	Ed4	F4	G4	A4	Bd4	C5	D5
	0	150.0	288.9	496.0	783.7	853.7	992.6	1200
	K	S	T	T	K	S	T	
Mode 3: Sika	Ed4	F4	G4	A4	Bd5	C5	D5	Ed5
	0	138.9	346.3	553.7	703.7	842.6	1050.0	1200
	S	T	T	K	S	T	K	
Mode 4: Najdi	F4	G4	A4	Bd4	C5	D5	Ed5	F5
	0	207.4	414.8	564.8	703.7	911.1	1061.1	1200
	T	T	K	S	T	K	S	
Mode 5: Conjunct Rast	G4	A4	Bd4	C5	D5	Ed5	F5	G5
	0	207.4	357.4	496.3	703.7	853.7	992.6	1200
	T	K	S	T	K	S	T	
Mode 6: Bayyatayn	A4	Bd4	C4	D4	Ed4	F4	G4	A4
	0	150.0	288.9	496.3	646.3	785.2	992.6	1200
	K	S	T	K	S	T	T	
Mode 7: `Iraq	Bd4	C5	D5	Ed5	F4	G5	A5	Bd5
	0	138.9	346.3	496.9	635.2	842.6	1050.0	1200
	S	T	K	S	T	T	K	

Modes of Conjunct Mustaqim (F+-G+-A-Bd-C+-D-Ed-F+), Ibn Sina's Mode of Zalzal

Mode 1: Conjunct Mustaqim	F+4	G+4	A4	Bd4	C+5	D5	Ed5	F+5
	0	207.4	346.3	496.3	703.7	842.6	992.6	1200
	T	S	K	T	S	K	T	
Mode 2: Conjunct Shur	G+4	A4	Bd4	C+5	D5	Ed5	F5	G5
	0	138.9	288.9	496.9	635.2	785.2	992.6	1200
	S	K	T	S	K	T	T	
Mode 3: `Iraq of Mustaqim	A4	Bd5	C+5	D5	Ed5	F+5	G+5	A5
	0	150.0	357.4	496.3	646.3	853.7	1061.1	1200
	K	T	S	K	T	T	S	
Mode 4: Disjunct Mustaqim	Bd4	C+5	D5	Ed5	F+5	G+5	A5	Bd5
	0	207.4	346.3	496.3	703.7	911.1	1050.0	1200
	T	S	K	T	T	S	K	
Mode 5: Disjunct Shur	C+5	D5	Ed5	F+5	G+5	A5	Bd5	C+6
	0	138.9	288.9	496.3	703.7	842.6	992.6	1200
	S	K	T	T	S	K	T	
Mode 6: Sika of Mustaqim	D5	Ed5	F+5	G+5	A5	Bd5	C+6	D6
	0	150.0	357.4	564.8	703.7	853.7	1061.1	1200
	K	T	T	S	K	T	S	
Mode 7: Najdi of Mustaqim	Ed5	F+5	G+5	A5	Bd5	C+6	D6	Ed6
	0	207.4	414.8	553.7	703.7	911.1	1050.0	1200
	T	T	S	K	T	S	K	