

Extended voice-leading space for trichords:
sharing and exchanging interval-classes

		Layer 1				Layer 2				Layer 3		Layer 4	
		3-1 (012)	3-2 (013)	3-3 (014)	3-4 (015)	3-5 (016)	3-6 (024)	3-7 (025)	3-8 (026)	3-9 (027)	3-10 (036)	3-11 (037)	3-12 (048)
		210000	111000	101100	100110	100011	020100	011010	010101	010020	002001	001110	000300
Layer 1	3-1 (012) 210000		SL; SD = +1 2CIC: m2, M2 L: 1m2; G: 1m3										
	3-2 (013) 111000	SL; SD = -1 2CIC: m2, M2 L: 1m3; G: 1m2		SL; SD = +1 2CIC: m2, m3 L: 1M2; G: 1M3			DL; SD = +2 1CIC: M2 L: 1m2, 1m3; G: 1M2, 1M3						
	3-3 (014) 101100		SL; SD = -1 2CIC: m2, m3 L: 1M3; G: 1M2		SL; SD = +1 2CIC: m2, M3 L: 1m3; G: 1P4		DL; SD = +1 1CIC: M3 L: 1m2, 1m3; G: 2M2	DL; SD = +2 1CIC: M3 L: 1m2, 1M3; G: 1M2, 1P4					
	3-4 (015) 100110			SL; SD = -1 2CIC: m2, M3 L: 1P4; G: 1m3		SL; SD = +1 2CIC: m2, P4 L: 1M3; G: 1TT	DL; SD = 0 1CIC: M3 L: 1m2, 1P4; G: 2M2	DL; SD = +1 1CIC: P4 L: 1m2, 1M3; G: 1M2, 1m3	DL; SD = +2 1CIC: M3 L: 1m2, 1P4; G: 1M2, 1TT				
	3-5 (016) 100011				SL; SD = -1 2CIC: m2, P4 L: 1TT; G: 1M3			DL; SD = 0 1CIC: P4 L: 1m2, 1TT; G: 1M2, 1m3	DL; SD = +1 1CIC: TT L: 1m2, 1P4; G: 1M2, 1M3	DL; SD = +2 1CIC: P4 L: 1m2, 1TT; G: 1M2, 1P4			
Layer 2	3-6 (024) 020100		DL; SD = -2 1CIC: M2 L: 1M2, 1M3; G: 1m2, 1m3	DL; SD = -1 1CIC: M3 L: 2M2; G: 1m2, 1m3	DL; SD = 0 1CIC: M3 L: 2M2; G: 1m2, 1P4			SL; SD = +1 1CIC: M2 L: 1M2, 1M3; G: 1m3, 1P4					
	3-7 (025) 011010			DL; SD = -2 1CIC: m3 L: 1M2, 1P4; G: 1m2, 1M3	DL; SD = -1 1CIC: P4 L: 1M2, 1m3; G: 1m2, 1M3	DL; SD = 0 1CIC: P4 L: 1M2, 1m3; G: 1m2, 1TT	SL; SD = -1 1CIC: M2 L: 1m3, 1P4; G: 1M2, 1M3		SL; SD = +1 1CIC: M2 L: 1m3, 1P4; G: 1M3, 1TT			DL; SD = +2 1CIC: m3 L: 1M2, 1P4; G: 1m3, 1TT	
	3-8 (026) 010101				DL; SD = -2 1CIC: M3 L: 1M2, 1TT; G: 1m2, 1P4	DL; SD = -1 1CIC: TT L: 1M2, 1M3; G: 1m2, 1P4		SL; SD = -1 1CIC: M2 L: 1M3, 1TT; G: 1m3, 1P4		SL; SD = +1 1CIC: M2 L: 1M3, 1TT; G: 2P4	DL; SD = +1 1CIC: TT L: 1M2, 1M3; G: 2m3	DL; SD = +2 1CIC: M3 L: 1M2, 1TT; G: 1m3, 1P4	
	3-9 (027) 010020					DL; SD = -2 1CIC: P4 L: 1M2, 1P4; G: 1m2, 1TT			SL; SD = -1 1CIC: M2 L: 2P4; G: 1M3, 1TT		DL; SD = 0 0CIC: -- L: 1M2, 2P4; G: 2m3, 1TT	DL; SD = +1 1CIC: P4 L: 1M2, 1P4; G: 1m3, 1M3	
Layer 3	3-10 (036) 002001						DL; SD = -2 1CIC: m3 L: 1m3, 1TT; G: 1M2, 1P4	DL; SD = -1 1CIC: TT L: 2m3; G: 1M2, 1M3	DL; SD = 0 0CIC: -- L: 2m3, 1TT; G: 1M2, 2P4			SL; SD = +1 1CIC: m3 L: 1m3, 1TT; G: 1M3, 1P4	
	3-11 (037) 001110							DL; SD = -2 1CIC: M3 L: 1m3, 1P4; G: 1M2, 1TT	DL; SD = -1 1CIC: P4 L: 1m3, 1M3; G: 1M2, 1P4	SL; SD = -1 1CIC: m3 L: 1M3, 1P4; G: 1m3, 1TT			DL; SD = +2 1CIC: M3 L: 1m3, 1P4; G: 2M3
Layer 4	3-12 (048) 000300											DL; SD = -2 1CIC: M3 L: 2M3; G: 1m3, 1P4	

Instructions: read lines to find at crossing columns data regarding movement from one set-class to another.
Interval-class vectors are provided below set-classes
Data below grey shadowed diagonal shows complementary operations (backward and/or downward movement)

Legend:
SL: same layer
DL: different layer
SD: sum-classes difference
CIC: common interval-class(es)
m2, M2, m3, M3, P4, and TT: interval-classes
(numbers before interval-classes types mean quantity)