



MTO 15.1 Examples: Cook, Moving Through Triadic Space

(Note: audio, video, and other interactive examples are only available online)

<http://www.mtosmt.org/issues/mto.09.15.1/mto.09.15.1.cook.php>

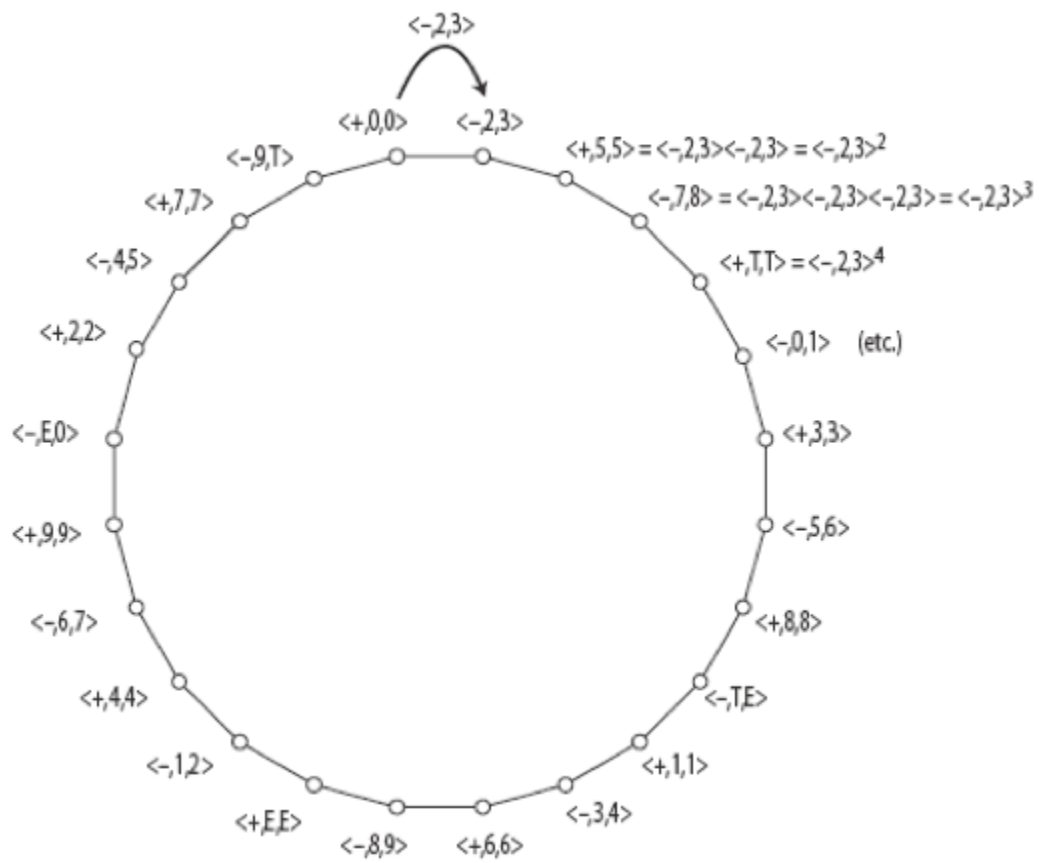
Example 1. Triad progressions in “A Man in a Room, Gambling,” final programme

Model mm. 1-14	AM → C \sharp m → Fm → A \flat M → Bm → DM
Var. 1 mm. 15-26	AM → C \sharp m → Cm → E \flat M → Em → GM
Var. 2 mm. 23-34	Em → GM → Dm → FM → A \flat M → Cm
Var. 3 mm. 35-46	EM → G \sharp m → Em → GM → Cm → E \flat M
Var. 4 mm. 51-62	Fm → A \flat M → Bm → DM → B \flat M → Dm

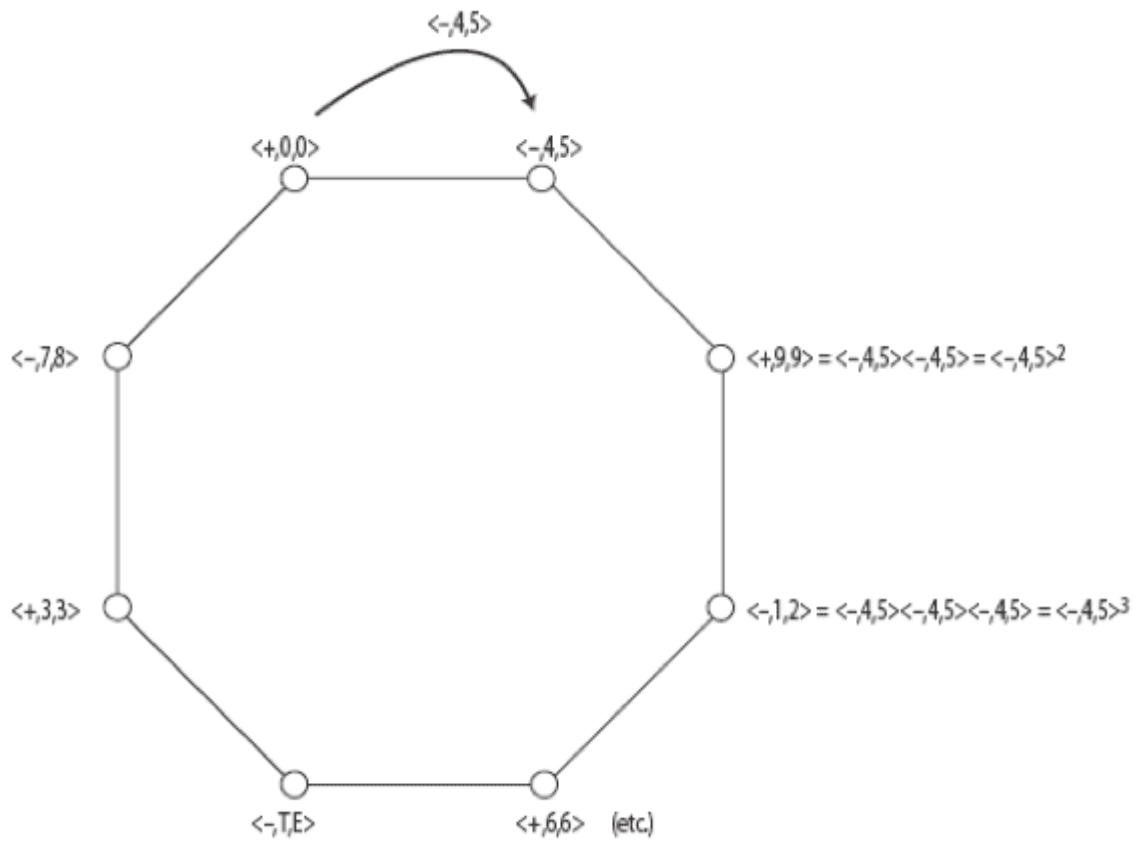
Example 2. The simply transitive subgroup K(1,1) of UTs

Mode Preserving:			Mode Reversing:		
<+, 0, 0>	<+, 4, 4>	<+, 8, 8>	<- , 0, 1>	<- , 4, 5>	<- , 8, 9>
<+, 1, 1>	<+, 5, 5>	<+, 9, 9>	<- , 1, 2>	<- , 5, 6>	<- , 9, T>
<+, 2, 2>	<+, 6, 6>	<+, T, T>	<- , 2, 3>	<- , 6, 7>	<- , T, E>
<+, 3, 3>	<+, 7, 7>	<+, E, E>	<- , 3, 4>	<- , 7, 8>	<- , E, 0>

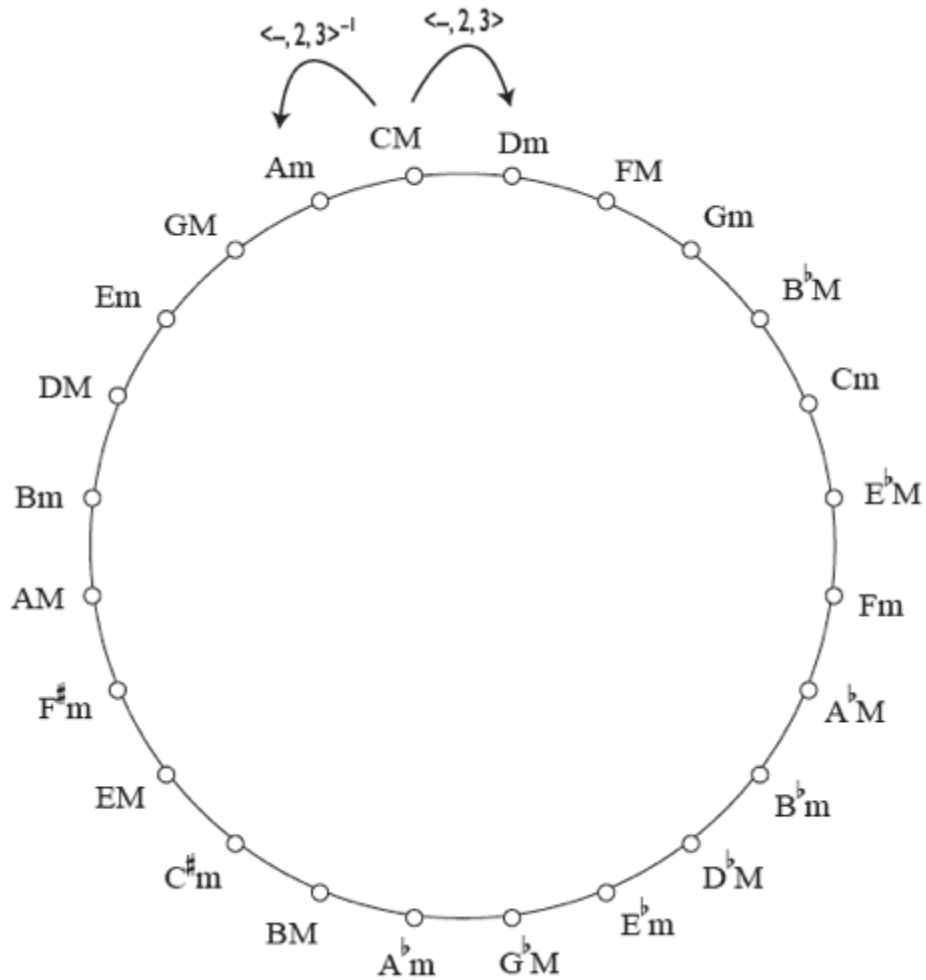
Example 3a. A cycle of $\langle -2,3 \rangle$ complete generates the $K(1,1)$ subgroup, since $2 + 3 = 5$



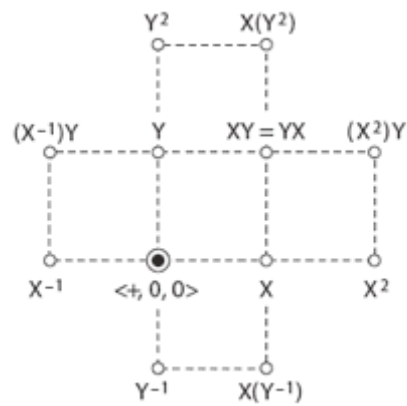
Example 3b. A cycle of $\langle -4,5 \rangle$ does not, since $4 + 5 = 9$



Example 4. A transformational space generated entirely by the UTT $\langle -, 2, 3 \rangle$



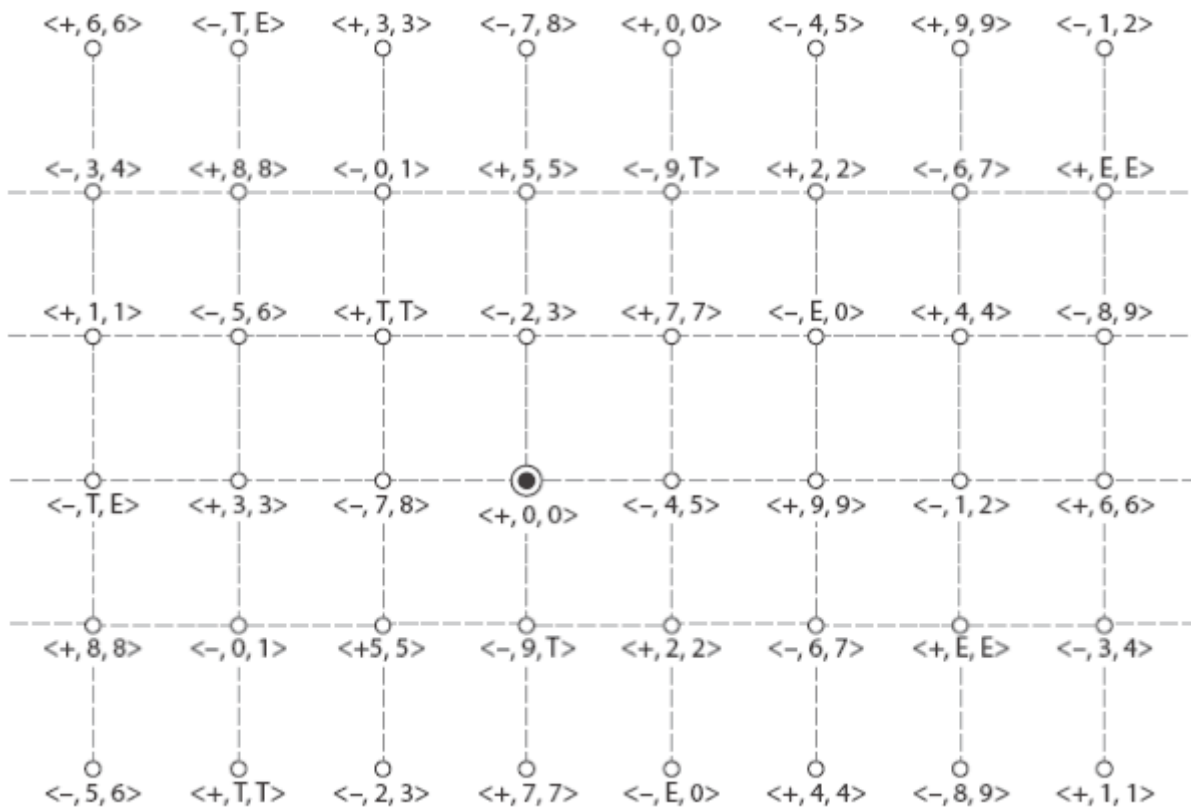
Example 5. A generic model of a two-dimensional UTT space



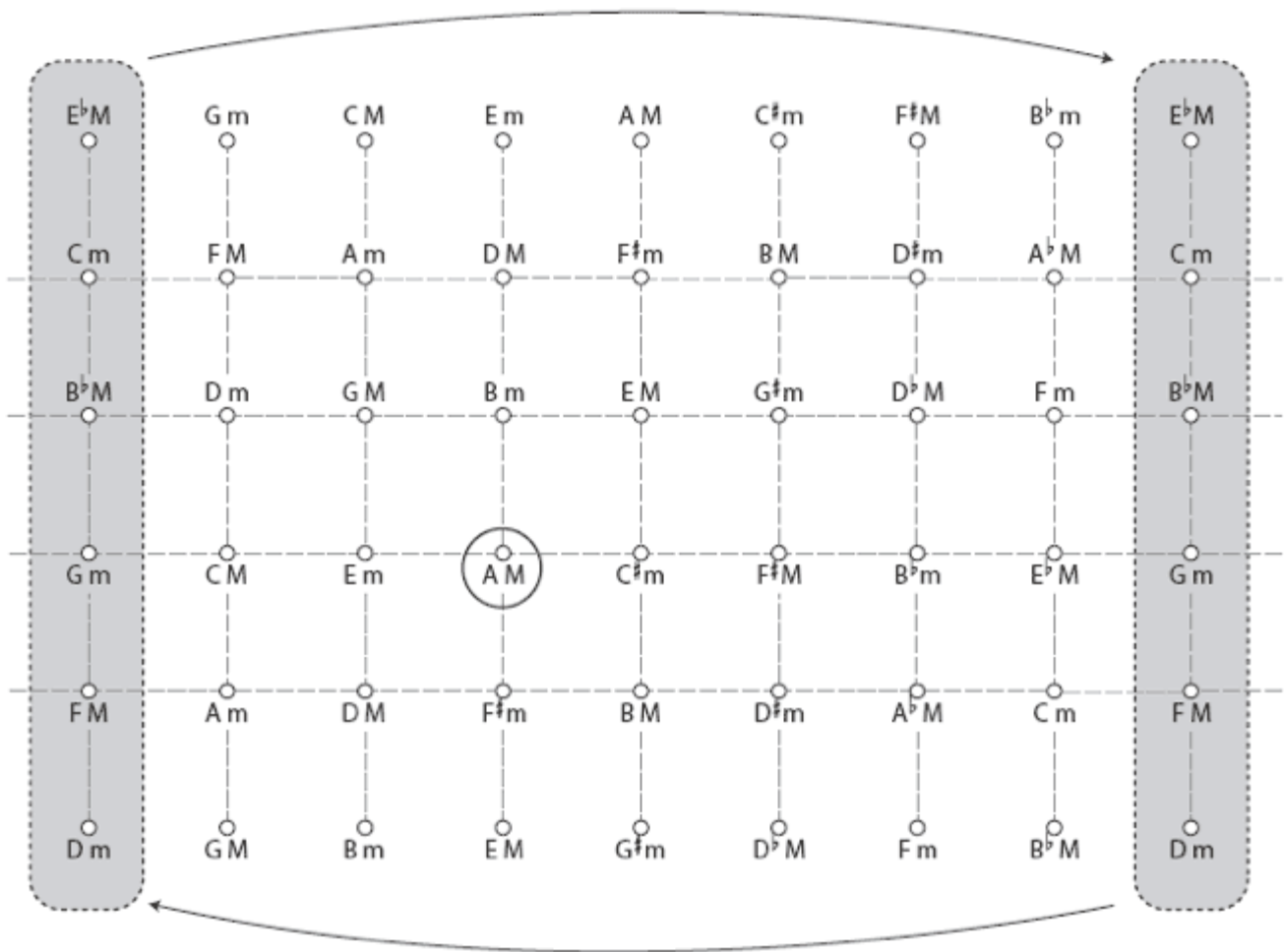
Animation 1.



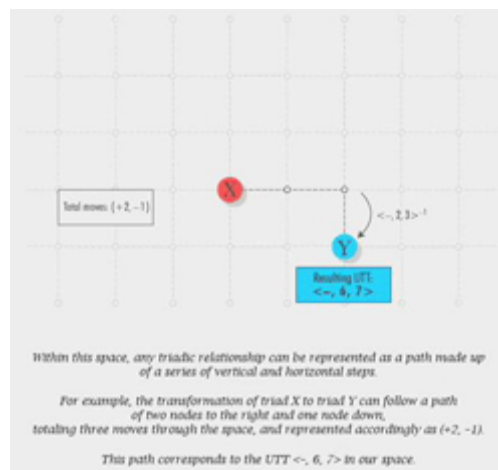
Example 6. An abstract UTT-space, generated by $X = \langle -, 4, 5 \rangle$ and $Y = \langle -, 2, 3 \rangle$



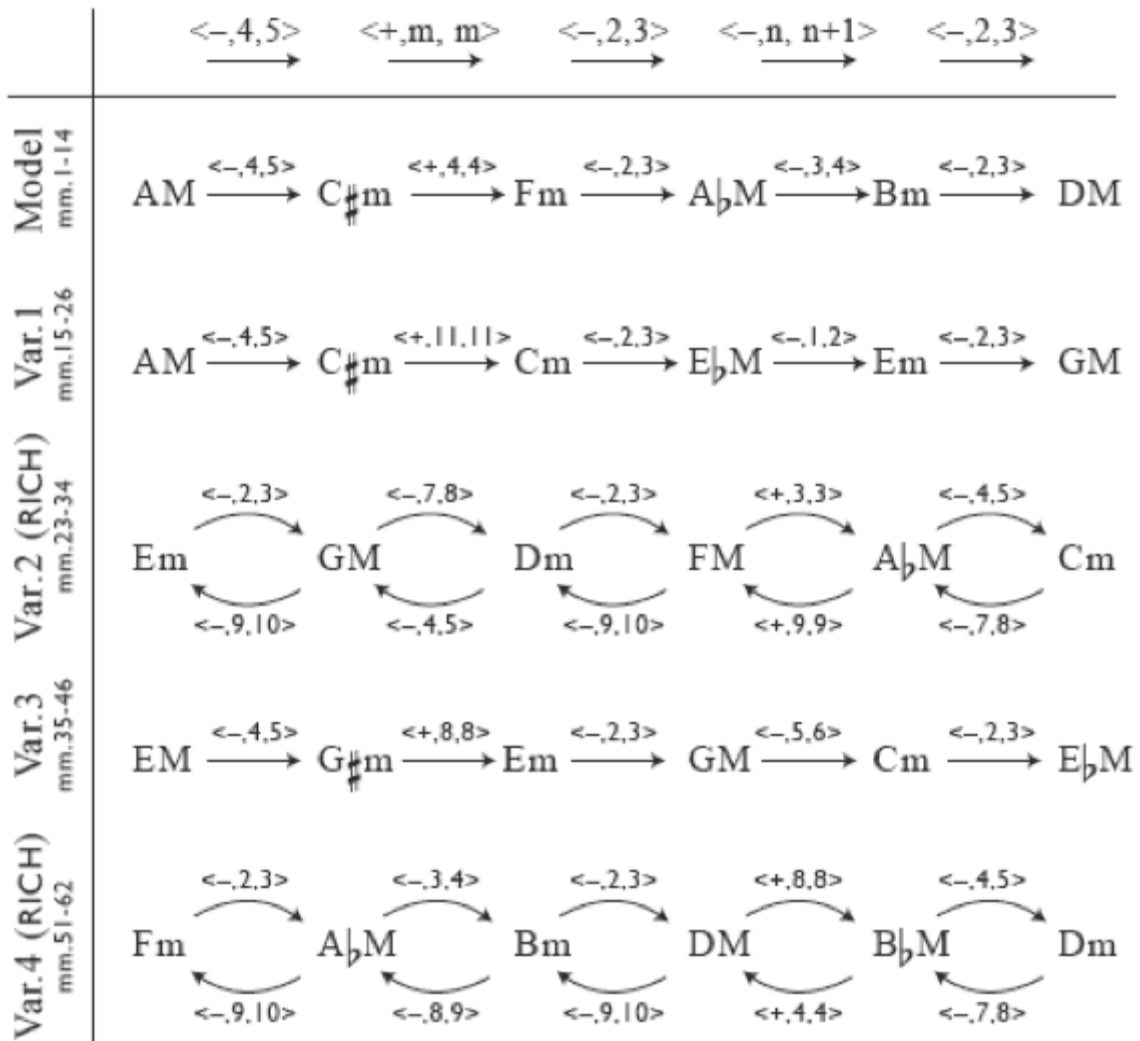
Example 7. A portion of the triadic UTT-space generated by $X=\langle -,4,5 \rangle$ and $Y=\langle -,2,3 \rangle$



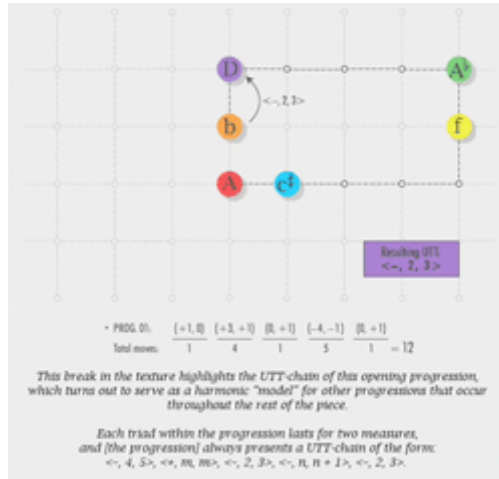
Animation 2.



Example 8. Harmonies and UTTs which define the harmonic progressions in “A Man in a Room, Gambling,” final programme (1992)



Animation 3.



Animation 4.

