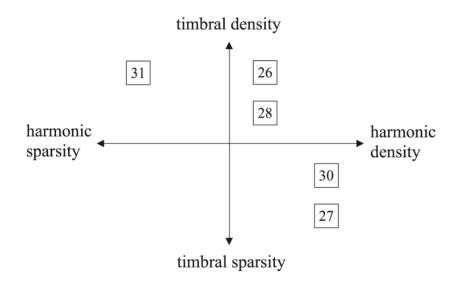


MTO 29.3 Examples: Goddard, "Your Soul is the Whole World"

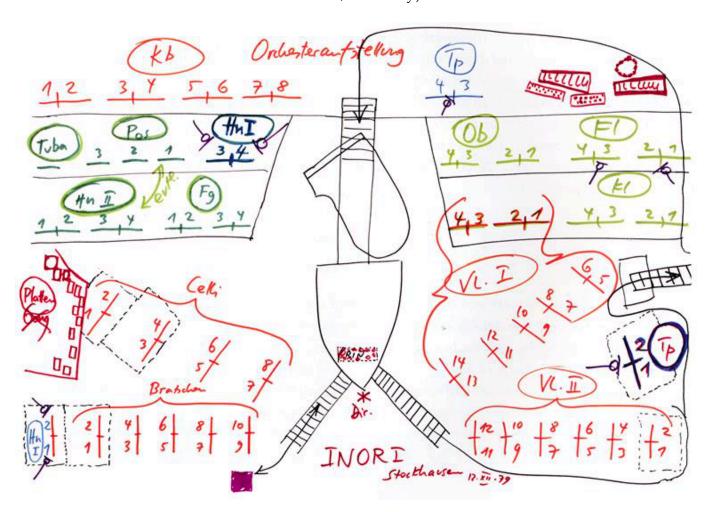
(Note: audio, video, and other interactive examples are only available online) https://mtosmt.org/issues/mto.23.29.3/mto.23.29.3.goddard.html

Example 1. Plotting harmonic and timbral density in five "moments" of Stockhausen's *Stop*



26	27	28	30 # <u>\$</u>	31	
#-	#-	•		#•	
	"				
			VI	VI	
			V	V	
IV		IV		IV	
III	III	III			
II		II		II	
I					

Example 2. Stockhausen's seating arrangement for *Inori* (© Stockhausen-Stiftung für Musik, Kürten, Germany)



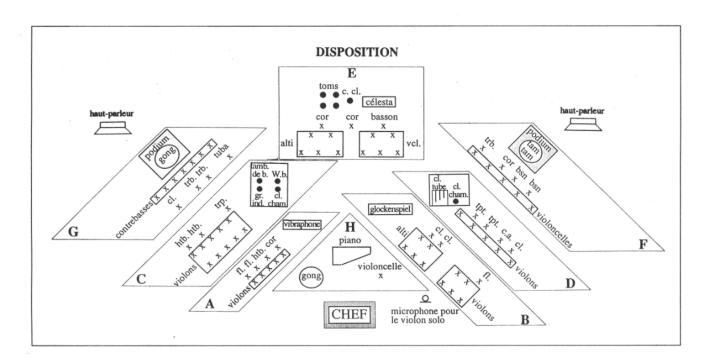
Example 3. The Siddhartha formula



Example 4. Six scalar dilations of the Siddhartha formula



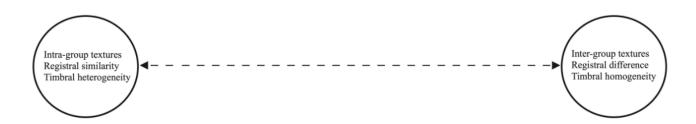
Example 5. Vivier's suggested seating plan (© 1976 by Boosey & Hawkes, Inc. All Rights Reserved. Reprinted by Permission)



Example 6. Group composition by instrumental family

	A	В	C	D	E	F	G	Н
W.W.:	2 fl.	1 fl.	2 ob.	1 ob./C.A.	1 bsn	2 bsn.	1 b.cl.	
	1 ob.	2 cl.		1 cl.				
Brass:	1 hrn.		1 trp.	2 trp.	2 hrn.	1 hrn.	2 trb.	
						1 trb.b.	1 tba.	
Perc. (1	vibr.	glock.	tamb., w.b.,	tub. bells,	4 toms,	tam-	gong	pno.,
player			Indian bells,	Iranian	b. drum,	tam		gong
each):			Iranian	camel	cel.			
			camel bells	bells				
Strings:	5 vlns.	5 vlns.	5 vlns. I	5 vlns.	5 vlas.	5 vlcs.	7 cbs.	1 vlc.
		5 vlas.	5 vlns. II		5 vlcs.			

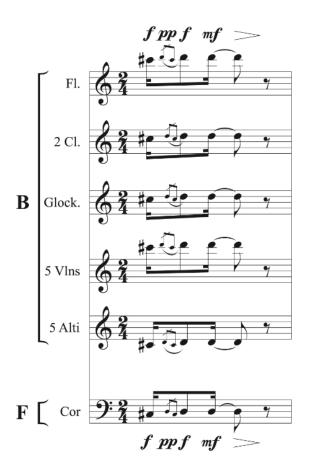
Example 7. The continuum of orchestral configurations in *Siddhartha*



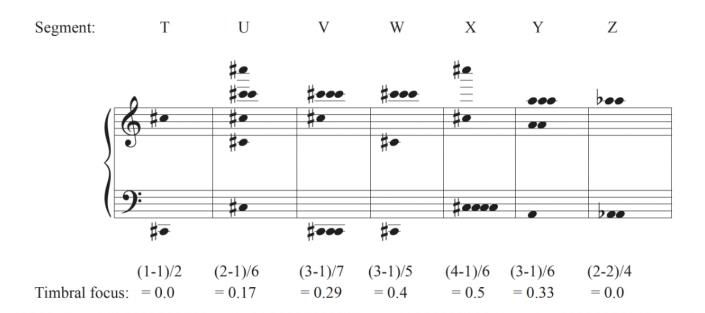
Example 8. Comparing group entries on the first page of the score to the opening pitch contour of the formula



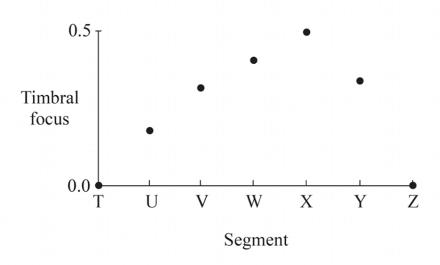
Example 9. Segment U of the second formulaic statement (m. 43)



Example 10. Measuring timbral focus in the second formulaic statement (mm. 42–70)



Example 11. Plotting the evolution of timbral focus in the second formulaic statement (mm. 42–70)



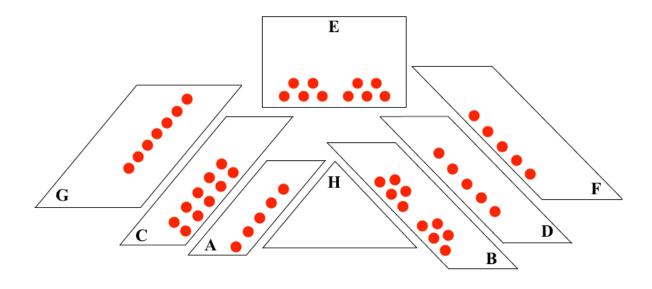
Example 12. A reduction of Segment Z from the second formulaic statement (mm. 72–77)



Example 13. Segments T and U from the fifth formulaic statement (mm. 204–205)

					Segment T	Segment U	
		4	5	5 1	4	J = 62,5	3
	-	201 (8")		G.P.	• !		J = 56
	2 FI		3-8	\$ \$+\dag{*}	-		
	Htb	670	ş ° [1 14	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 5
A	Cor	9: ^ /	3 - of	\$ \$+16 -	ord.		
	Vibra	£ 70	5 0		4 -	,	mf <fmf<f mf<f<="" td=""></fmf<f>
		(8°)				1	
	5 VIns	6	3	√	1		}
	Picc	2	15	G.P.	Flür	4 /	
	1	, ^p	0 6		A		22
	2 Cl.	6	1	\$+16 -	1	1	1 1
В	Glock.	•	5 -	- \$1 File -	1 .	ğ ρρ	m5 — S
	5 Vins	6	5	\$+16 -	1 4	3 , ===	_
	5 Alti	0 0	0	<u>-</u> -			10 to
	[6	1	₹+16 \$fz	B 1 15 3	1 J PP 1	
	2 Htb.	6-In	50	G.P.	4		•
	Trp.	6	ş -	5+h -	1	ا الله الله الله الله الله الله الله ال	
	Gr.	<u>-</u>		5+1 4+16	4	3	ny ,
C	Tamb.		5	\$+16 -	4		ms s ms s
	5 Vlns	(8")	5 or	7 7.4 -	4	A f PP f	57
	5 Vins	\$\frac{1}{6}^{\chi_{15}}	7		J > PP		$mf \ll f$
	C II		4		1 - β 5 - ρρ		
Н	Gong	0 -	\$ - Y	G.P. 6.P. 6.P. 6.P. 6.P. 6.P. 6.P. 6.P.	14 0_	3	
		<i>t</i>		√z ⊕ √z G.P.	or anglais	*	
	Htb.	& ciris strategy	\$ C		or anglais		- y
	Cl.	8 prilip riter.	5	\$ 1 5+16 -	1 - 1	3-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	MF<5
D	2 Trp.	& certificities -	5 - 7	_		f pp f	mf f
	Perc.	& chappedante	5 0	- 1 84k -			mf < s
		o plate of the step of a big	<u> </u>	- 4·16	•		, 1 ×
l	5 Vlns		\$	sfz	1		
[Bsn	9 .	ş Y	G.P.	1 , , , , , , ,	j pp f	mf < \(\) mf < \(\)
	2 Cors	9 1	§ - 9 8-] \$+ik -	ord, bouché a 2 pp J p >	PP S	mf< f mf< f mf
Е	Perc.	·	caisse claire rim s	hot	$\rho \rho < \rho > \rho \rho$	4 toms	
		•] 1 -	pp mf > pp	4	ms
	5 Alti	18 -	5 - y	g \$'₩ -	A Signal A P PP	PP f	4 1 1 mg<5
1	5 Vel.	9: -	ž - ,	3 5-16 -	1.6		
r	3 Per	6)E		Sfz G.P.	mff	_	mf
	2 Bsns Cor		1000	3 8 th -	4 -	PP bouché	mf
F		,	g - 1	\$ 1 to 1	4 -	A P P P	ms = s
- 1	Trb. b.	10	\$ - J	3 3 6 -	1	P	
			5 - 7	₹ - 5 · 16 -	4	- =	-
Į	5 Vcl.	<i>y</i>		∯ \$+∰ - \$F2 G.P.	1 - 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +	I PP I	_
- 1	СІ. Ь.		- V	§fz G.P.			
	2 Trb.	92 tp:	1 - 1 f - 1 f	j 24 -	PP < P PP < P PP < P = PP	PP	9 11
G	Tuba	9. 7) - J	\$+ ₁₆ -	1 -	-	ms = s ms = s
	Gong]	J	5+16 -	4 - 5		•
l	7 Cb.	9: -	- •	j 5+4 -	1 - 1 5 > 00		
				-	S > PP		

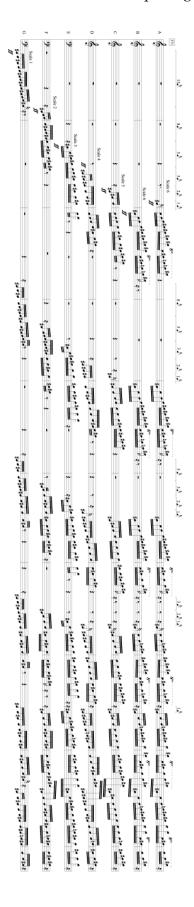
Example 14. Instrumentation for the complete seventh formulaic statement (mm. 251–302)



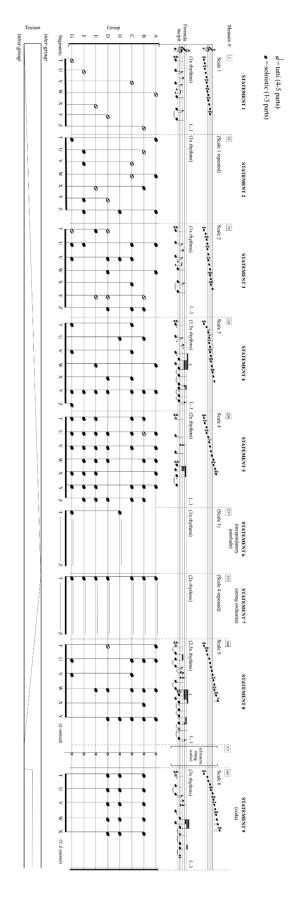
Example 15. A reduction of Segments T, U, V, and W from the seventh formulaic statement (m. 251–260)



Example 16. A reduction of the climactic passage from mm. 371–380



Example 17. An overview of the nine formulaic statements and their evolving spatial attributes



Example 18. A unified spatial model of the transforming formula in *Siddhartha*

