

Dr Ian Percy

Website Context and Research

Dreams of Love and Hate (2016)

(And all the Spaces In-between)

Twelve Dreams in Twelve Tone

(After Boulez)

Initial Context for the Programme:

"Boulez loved Debussy's music; he travelled a lot in the East and actually discovered Kurtág. Kurtág and Liszt are very different indeed, but both quite theatrical in their own music and all this I thought was a very deep strand that connects them all. Kurtág is celebrating his 90th and poor Boulez just died this year. I want to learn the chosen pieces, celebrate their lives and their music and for this concert this is what I want to perform".

Lauryna Sableviciute email conversation (May 2016)

Pitch Organisation:

In memory of Pierre Boulez (1925-2016), and in keeping with the proposed programme for the premiere recital, the twelve-tone row from Boulez's *Douze Notations pour Piano* (published 1985) is the primary source material for this work.

Although composed when Boulez (1925-2016) was twenty years old (1945-46), *Douze Notations pour Piano* (Twelve Notations for Piano) have become a mainstay of the composer's repertoire. They consist of twelve, twelve-bar movements each composed on the same 12-tone row (in variable guises, transpositions, retrogrades and inversions):

1. Fantasque – Modéré (Fantastic, fanciful, fantasy, whim – moderate speed)
2. Très vif (Very lively)
3. Assez lent (Sufficiently slow)
4. Rythmique (Rhythmical)
5. Doux et improvisé (Soft, sweet and improvised, free)
6. Rapide (Fast, rapid)
7. Hiératique (Hieratic, solemn, priestly)
8. Modéré jusqu'à très vif (Moderate speed, but as lively as you can)
9. Lointain – Calme (Distant – Calm, peaceful, quiet)
10. Mécanique et très sec (Mechanical and very dry)
11. Scintillant; *Faire ressortir le chant en sauts disjoints* (A Spark, flash)
12. Lent – Puissant et âpre (Slow – Powerful and fierce, harsh, bitter)

The original row is seen/heard at the beginning of Notation 1:

12-tone row: A^b – B^b – E^b – D – A – E – C – F – D^b – G – F[#] – B – A^b

12-tone row (from C): C – D – G – F[#] – C[#] – G[#] – E – A – F – B – B^b – D[#] – C

12-tone row interval classes: 2 – 5 – 1 – 5 – [5] – 4 – 5 – 4 – 6 – 1 – [5] – (3)

The row includes two minor-seconds, one major-second, one minor third, two major-thirds, five perfect intervals and one tritone:

A ^b	B ^b	E ^b	D	A	E	C	F	D ^b	G	F [#]	B
F [#]	A ^b	D ^b	C	G	D	B ^b	E ^b	B	F	E	A
D ^b	E ^b	A ^b	G	D	A	F	B ^b	F [#]	C	B	E
D	E	A	A ^b	E ^b	B ^b	F [#]	B	G	D ^b	C	F
G	A	D	D ^b	A ^b	E ^b	B	E	C	F [#]	F	B ^b
C	D	G	F [#]	D ^b	A ^b	E	A	F	B	B ^b	E ^b
E	F [#]	B	B ^b	F	C	A ^b	D ^b	A	E ^b	D	G
B	D ^b	F [#]	F	C	G	E ^b	A ^b	E	B ^b	A	D
E ^b	F	B ^b	A	E	B	G	C	A ^b	D	D ^b	F [#]
A	B	E	E ^b	B ^b	F	D ^b	F [#]	D	A ^b	G	C
B ^b	C	F	E	B	F [#]	D	G	E ^b	A	A ^b	D ^b
F	G	C	B	F [#]	D ^b	A	D	B ^b	E	E ^b	A ^b

For further links with the proposed concert programme, a quote from *Liebesträume* (Dreams of Love) Number Three (Bar 77) S541/R.211 Franz Liszt (1850) was used:

C – D^b – F B^b – C – E^b D^b – B^b – C – A^b

Liebesträume (Dreams of Love) is a set of three solo piano works (S541/R.211) published in 1850 by Franz Liszt (1811-1886). They are solo piano transcriptions of songs based on poems by Uhland and Frelligrath. Number three is in three sections (A^b Major – B Major/G[#] minor – C Major/atonal – A^b Major), is the most famous and is about unconditional love (two is about erotic love and one is about platonic love).

Poco allegro, con affetto (A^b Major)

Più animato con passione (B Major/G[#] minor)

Sempre stringendo (A minor/C Major/Atonal)

Appassionato assai (A^b Major)

Tempo primo (A^b Major)

Dolce armonioso

Pitch Matrix: Douze Notations pour Piano

	I8	I10	I3	I2	I9	I4	I0	I5	I1	I7	I6	I11	
P8	A ^b	B ^b	E ^b	D	A	E	C	F	D ^b	G	F [#]	B	R8
P6	F [#]	A ^b	D ^b	C	G	D	B ^b	E ^b	B	F	E	A	R6
P1	D ^b	E ^b	A ^b	G	D	A	F	B ^b	F [#]	C	B	E	R1
P2	D	E	A	A ^b	E ^b	B ^b	F [#]	B	G	D ^b	C	F	R2
P7	G	A	D	D ^b	A ^b	E ^b	B	E	C	F [#]	F	B ^b	R7
P0	C	D	G	F [#]	D ^b	A ^b	E	A	F	B	B ^b	E ^b	R0
P4	E	F [#]	B	B ^b	F	C	A ^b	D ^b	A	E ^b	D	G	R4
P11	B	D ^b	F [#]	F	C	G	E ^b	A ^b	E	B ^b	A	D	R11
P3	E ^b	F	B ^b	A	E	B	G	C	A ^b	D	D ^b	F [#]	R3
P9	A	B	E	E ^b	B ^b	F	D ^b	F [#]	D	A ^b	G	C	R9
P10	B ^b	C	F	E	B	F [#]	D	G	E ^b	A	A ^b	D ^b	R10
P5	F	G	C	B	F [#]	D ^b	A	D	B ^b	E	E ^b	A ^b	R5
	RI8	RI10	R3	RI2	RI9	RI4	RI0	RI5	RI1	RI7	RI6	RI11	

Liebesträume No.3 Bar 77:

C – D^b – F
 B^b – C – E^b
 D^b – B^b – C – A^b

Pitch Matrix – Vertical Rotations

Three-note pitch-class sets: Trichords

Pitches	PC set (T0)	Invert (T0I)	Normal Order	Prime Form	Vector	Forté
A ^b - B ^b - E ^b	8T3	429	8T3	027	010020	3-9*
B ^b - E ^b - D	T32	29T	T23	015	100110	3-4
E ^b - D - A	329	9T3	923	016	100011	3-5
D - A - E	294	T38	249	027	010020	3-9*
A - E - C	940	380	904	037	001110	3-11
E - C - F	405	807	045	015	100110	3-4
C - F - C [#]	051	07E	015	015	100110	3-4
F - C [#] - G	517	7E5	157	026	010101	3-8
C [#] - G - F [#]	176	E56	167	016	100011	3-5
G - F [#] - B	76E	561	67E	015	100110	3-4
F [#] - B - G [#]	6E8	614	68E	025	011010	3-7
B - G [#] - A [#]	E8T	142	8TE	013	111000	3-2

* = The set is a mirror: A mirror set is a pc set that is symmetric by reflection around a pc axis. A minor-seventh chord is a mirror, because if its intervals are projected in the opposite direction, then the same chord results.

Four-note pitch-class sets: Tetrachords

Pitches	PC set	Invert	Normal	Prime	Vector	Forte
A ^b - B ^b - E ^b - D	8T32	429T	8T23	0157	110121	4-16
B ^b - E ^b - D - A	T329	29T3	9T23	0156	200121	4-8*
E ^b - D - A - E	3294	9T38	2349	0127	210021	4-6*
D - A - E - C	2940	T380	9024	0247	021120	4-22
A - E - C - F	9405	3807	4590	0158	101220	4-20
E - C - F - C [#]	4051	807E	0145	0145	201210	4-7*
C - F - C [#] - G	0517	07E5	0157	0157	110121	4-16
F - C [#] - G - F [#]	5176	7E56	1567	0126	210111	4-5
C [#] - G - F [#] - B	176E	E561	67E1	0157	110121	4-16
G - F [#] - B - G [#]	76E8	5614	678E	0125	211110	4-4
F [#] - B - G [#] - A [#]	6E8T	6142	68TE	0135	121110	4-11
B - G [#] - A [#] - D [#]	E8T3	1429	8TE3	0237	111120	4-14<

* = The set is a mirror

< = The set has a complement with the same ending

Five-note pitch-class sets: Pentachords

Pitches	PC set	Invert	Normal	Prime	Vector	Forte
A ^b - B ^b - E ^b - D - A	8T329	429T3	89T23	01267	310132	5-7
B ^b - E ^b - D - A - E	T3294	29T38	9T234	01267	310132	5-7
E ^b - D - A - E - C	32940	9T380	90234	01247	222121	5z36
D - A - E - C - F	29405	T3807	90245	01358	122230	5-27
A - E - C - F - C [#]	94051	3807E	90145	01458	202420	5-21
E - C - F - C [#] - G	40517	807E5	01457	01457	212221	5z18
C - F - C [#] - G - F [#]	05176	07E56	01567	01267	310132	5-7
F - C [#] - G - F [#] - B	5176E	7E561	567E1	01268	220222	5-15
C [#] - G - F [#] - B - G [#]	176E8	E5614	678T1	01257	221131	5-14
G - F [#] - B - G [#] - A [#]	76E8T	56142	678TE	01245	322210	5-3
F [#] - B - G [#] - A [#] - D [#]	6E8T3	61429	368TE	01358	122230	5-27
B - G [#] - A [#] - D [#] - D	E8T32	1429T	8TE23	01457	212221	5z18

Six-note pitch-class sets: Hexachords

Pitches	PC set	Invert	Normal	Prime	Vector	Forte
A ^b B ^b E ^b DAE	8T3294	429T38	23489T	012678	420243	6-7
B ^b E ^b DAEC	T32940	29T380	9T0234	012467	332232	6z12
E ^b DAECF	329405	9T3807	902345	012358	333231	6z40
DAECFC [#]	294051	T3807E	901245	013458	323430	6-14
AECFC [#] G	940517	3807E5	014579	014579	223431	6-31
ECFC [#] GF [#]	405176	807E56	014567	012367	422232	6-5
CFC [#] GF [#] B	05176E	07E561	567E01	012678	420243	6-7
FC [#] GF [#] BG [#]	5176E8	7E5614	5678E1	012368	332232	6z41
C [#] GF [#] BG [#] A [#]	176E8T	E56142	678TE1	012457	333231	6z11
GF [#] BG [#] A [#] D [#]	7,6E8T3	561429	3678TE	013458	323430	6-14
F [#] BG [#] A [#] D [#] D	6E8T32	61429T	68TE23	014579	223431	6-31
B G [#] A [#] D [#] DA	E8T329	1429T3	89TE23	012367	422232	6-5

Seven-note pitch-class sets: Heptachords

Pitches	PC set	Invert	Normal	Prime	Vector	Forte
A ^b B ^b E ^b DAEC	8T32940	429T380	89T0234	0124678	442443	7-15
B ^b E ^b DAECF	T329405	29T3807	9T02345	0123578	443352	7-14
E ^b DAECFC [#]	3294051	9T3807E	9012345	0123458	544431	7-3
DAECFC [#] G	2940517	T3807E5	0124579	0124579	344451	7-27
AECFC [#] GF [#]	9405176	3807E56	0145769	0234589	434442	
ECFC [#] GF [#] B	405176E	807E561	E014567	0123678	532353	7-7
CFC [#] GF [#] BG [#]	05176E8	07E5614	5678E01	0123678	532353	7-7
FC [#] GF [#] BG [#] A [#]	5176E8T	7E56142	5678TE1	0123568	444342	7z36
C [#] GF [#] BG [#] A [#] D [#]	176E8T3	E561429	678TE13	0124579	344451	7-27
GF [#] BG [#] A [#] D [#] D	76E8T32	561429T	678TE23	0124589	424641	7-21
F [#] BG [#] A [#] D [#] DA	6E8T329	61429T3	689TE23	0234589	434442	
BG [#] A [#] D [#] DAE	E8T3294	1429T38	89TE234	0123678	532353	7-7

Eight-note pitch-class sets: Octachords

Pitches	PC set	Invert	Normal	Prime	Vector	Forte
A ^b B ^b E ^b DAECF	8T329405	429T3807	89T02345	01235789	554563	8-16
B ^b E ^b DAECFC [#]	T3294051	29T3807E	9T012345	01234578	655552	8-4
E ^b DAECFC [#] G	32940517	9T3807E5	01234579	01234579	565552	8-11
DAECFC [#] GF [#]	29405176	T3807E56	01245679	01245679	555562	8-14
AECFC [#] GF [#] B	9405176E	3807E561	45679E01	01235789	554563	8-16
ECFC [#] GF [#] BG [#]	405176E8	807E5614	45678E01	01234789	644563	8-8
CFC [#] GF [#] BG [#] A [#]	05176E8T	07E56142	5678TE01	01235678	654463	8-6
FC [#] GF [#] BG [#] A [#] D [#]	5176E8T3	7E561429	5678TE13	0123568T	465562	8-22
C [#] GF [#] BG [#] A [#] D [#] D	176E8T32	E561429T	678TE123	01245789	545662	8-20
GF [#] BG [#] A [#] D [#] DA	76E8T329	561429T3	6789TE23	01234589	645652	8-7
F [#] BG [#] A [#] D [#] DAE	6E8T3294	61429T38	234689TE	01235789	554563	8-16
BG [#] A [#] D [#] DAEC	E8T32940	1429T380	89TE0234	01234678	654553	8-5

Nine-note pitch-class sets: Nonachords

Pitches	PC set	Invert	Normal	Prime	Vector	Forte
A ^b B ^b E ^b DAECFC [#]	8T3294051	429T3807E	89T012345	012345789	766773	9-4
B ^b E ^b DAECFC [#] G	T32940517	29T3807E5	9T0123457	01234578T	677673	9-7
E ^b DAECFC [#] GF [#]	329405176	9T3807E56	012345679	012345679	777663	9-2
DAECFC [#] GF [#] B	29405176E	T3807E561	E01245679	01235678T	676683	9-9
AECFC [#] GF [#] BG [#]	9405176E8	3807E5614	456789E01	012345789	766773	9-4
ECFC [#] GF [#] BG [#] A [#]	405176E8T	807E56142	45678TE01	012346789	766674	9-5
CFC [#] GF [#] BG [#] A [#] D [#]	05176E8T3	07E561429	5678TE013	01235678T	676683	9-9
FC [#] GF [#] BG [#] A [#] D [#] D	5176E8T32	7E561429T	1235678TE	01235679T	667773	9-11
C [#] GF [#] BG [#] A [#] D [#] DA	176E8T329	E561429T3	6789TE123	012345789	766773	9-4
GF [#] BG [#] A [#] D [#] DAE	76E8T3294	561429T38	2346789TE	012345789	766773	9-4
F [#] BG [#] A [#] D [#] DAEC	6E8T32940	61429T380	89TE02346	01234678T	676764	9-8
BG [#] A [#] D [#] DAECF	E8T329405	1429T3807	89TE02345	012346789	766674	9-5

Ten-note tone rows: Decachords

Pitches	PC set	Invert	Normal	Prime	Vector
A ^b B ^b E ^b DAECFC [#] G	8T32940517	429T3807E5	012345789T	012345789T	888894
B ^b E ^b DAECFC [#] GF [#]	T329405176	29T3807E56	012345679T	012345679T	889884
E ^b DAECFC [#] GF [#] B	329405176E	9T3807E561	E012345679	012345678T	898884
DAECFC [#] GF [#] BG [#]	29405176E8	T3807E5614	456789E012	012345789T	888894
AECFC [#] GF [#] BG [#] A [#]	9405176E8T	3807E56142	456789TE01	0123456789	988884
ECFC [#] GF [#] BG [#] A [#] D [#]	405176E8T3	807E561429	345678TE01	012345789T	888894
CFC [#] GF [#] BG [#] A [#] D [#] D	05176E8T32	07E561429T	TE01235678	012345789T	888894
FC [#] GF [#] BG [#] A [#] D [#] DA	5176E8T329	7E561429T3	56789TE123	012345689T	888984
C [#] GF [#] BG [#] A [#] D [#] DAE	176E8T3294	E561429T38	6789TE1234	012345789T	888894
GF [#] BG [#] A [#] D [#] DAEC	76E8T32940	561429T380	6789TE0234	012345689T	888984
F [#] BG [#] A [#] D [#] DAECF	6E8T329405	61429T3807	2345689TE0	012346789T	888885
BG [#] A [#] D [#] DAECFC [#]	E8T3294051	1429T3807E	89TE012345	0123456789	988884

Eleven-note Tone rows:

Pitches	PC set	Invert	Normal	Prime	Vector
A ^b B E ^b DAECFC [#] GF [#]	8T329405176	429T3807E56	0123456789T	0123456789T	TTTTT5
B ^b E ^b DAECFC [#] GF [#] B	T329405176E	29T3807E561	9TE01234567	0123456789T	TTTTT5
E ^b DAECFC [#] GF [#] BG [#]	329405176E8	9T3807E5614	E0123456789	0123456789T	TTTTT5
DAECFC [#] GF [#] BG [#] A [#]	29405176E8T	T3807E56142	456789TE012	0123456789T	TTTTT5
AECFC [#] GF [#] BG [#] A [#] D [#]	9405176E8T3	3807E561429	3456789TE01	0123456789T	TTTTT5
ECFC [#] GF [#] BG [#] A [#] D [#] D	405176E8T32	807E561429T	TE012345678	0123456789T	TTTTT5
CFC [#] GF [#] BG [#] A [#] D [#] DA	05176E8T329	07E561429T3	56789TE0123	0123456789T	TTTTT5
FC [#] GF [#] BG [#] A [#] D [#] DAE	5176E8T3294	7E561429T38	123456789TE	0123456789T	TTTTT5
C [#] GF [#] BG [#] A [#] D [#] DAEC	176E8T32940	E561429T380	6789TE01234	0123456789T	TTTTT5
GF [#] BG [#] A [#] D [#] DAECF	76E8T329405	561429T3807	23456789TE0	0123456789T	TTTTT5
F [#] BG [#] A [#] D [#] DAECFC [#]	6E8T3294051	61429T3807E	89TE0123456	0123456789T	TTTTT5
BG [#] A [#] D [#] DAECFC [#] G	E8T32940517	1429T3807E5	789TE012345	0123456789T	TTTTT5

Contact:

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