

The Topos of Music
Geometric Logic of Concepts, Theory, and Performance
1st Edition (2002), Birkhäuser, Basel, Boston, Berlin
ISBN 3-7643-5731-2:

Errata

June 22, 2008

The errata are ordered by the time of their notification, they are indexed by page number, section number etc., and line number 1, 2, ... from above or (equivalently) -1, -2, ... from below.

Errata generated in the following list are added to the list by reference to the erratum's number and relative line number (beginning with 1). Errata in this header are entitled "header erratum".

1. p. iii

Contributor *Hans Straub* is missing. The author apologizes for this error!

2. p.1109, appendix F.2, definition 147, statement 3, 1.3

Replace

$$\text{Spec}(f)^{-1}(V(E)) = V(f(E))$$

by

$$\text{Spec}(f)^{-1}(V(E)) = V(f(E))$$

3. p.1110, appendix F.2.1, paragraph 1, 1.8

Replace

irreducible - iff

by

irreducible iff

4. p.1110, appendix F.2.1, paragraph 1, l.11
 Replace
 closure $\overline{\{x\}}$.
 by
 closure $\overline{\{x\}}$ is X .
5. p.1216, appendix O.1.6, table Class Nr.82
 Replace
 in column 1, row 3
 3
 by
 3 & 9
 Replace
 in column 5, row 5
 56
 by
 60
6. p.1133, appendix G.5.1, proposition 113, l.13
 Replace
 $(S \Rightarrow T)(X)$
 by
 $X@(S \Rightarrow T)$
7. p.1133, appendix G.5.1, theorem 64, l.-10
 Replace
 Implication $\vee : \Omega \times \Omega \rightarrow \Omega$
 by
 Implication $\Rightarrow : \Omega \times \Omega \rightarrow \Omega$
8. p.1135, appendix G.5.1, theorem 67, l.6
 Replace
 $true \sqcup false \rightarrow \Omega$

by

$true \sqcup false : 1 + 1 \rightarrow \Omega$

9. p.1147, appendix H.1.3, definition 166, l.7

Replace

such that $V \circ V$.

by

such that $V \circ V \subset U$.

10. p.1128, appendix G.3.3, footnote 8, l.-1

Replace

properties

by

properties.

11. p.1132, appendix G.5.1, example Boolean Algebras, l.-10

Replace

$x \Rightarrow x = \neg x \vee y$

by

$x \Rightarrow y = \neg x \vee y$

12. p.1140, appendix G.5.3.1, 3. in enumeration, l.20

Replace

invariant and

by

invariant under

13. p.1140, appendix G.5.3.1, 3. in enumeration, l.22

Replace

diagram scheme

by

diagram

14. p.1132, appendix G.5.1, property 4, l.4-6

Replace

(ii) ... $(\alpha)\&(\beta) \in S(EX)$;

(iii) ... $(\alpha)|(\beta) \in S(EX)$;

(iv) ... $(\alpha) \rightarrow (\beta) \in S(EX)$.

by

(ii) ... $(\alpha\&\beta) \in S(EX)$;

(iii) ... $(\alpha|\beta) \in S(EX)$;

(iv) ... $(\alpha \rightarrow \beta) \in S(EX)$.

15. p.1132, appendix G.5.1, property 5, l.16-18

Replace

(ii) $\epsilon((\alpha)\&(\beta)) = \dots$

(iii) $\epsilon((\alpha)|(\beta)) = \dots$

(iv) $\epsilon((\alpha) \rightarrow (\beta)) = \dots$

by

(ii) $\epsilon((\alpha\&\beta)) = \dots$

(iii) $\epsilon((\alpha|\beta)) = \dots$

(iv) $\epsilon((\alpha \rightarrow \beta)) = \dots$

16. p.1136, appendix G.5.2, property 5, l.3-5

Replace

$(\alpha)\&(\beta) \in FO(PEX)$,

$(\alpha)|(\beta) \in FO(PEX)$,

$(\alpha) \rightarrow (\beta) \in FO(PEX)$.

by

$(\alpha\&\beta) \in FO(PEX)$,

$(\alpha|\beta) \in FO(PEX)$,

$(\alpha \rightarrow \beta) \in FO(PEX)$.

17. p.1136, appendix G.5.2, l.-13

Replace

$$\text{supp}((\alpha)\&(\beta)) =$$

by

$$\text{supp}((\alpha\&\beta)) =$$

18. p.1136, appendix G.5.2, l.-12

Replace

$$\text{supp}((\alpha)|(\beta)) =$$

$$\text{supp}((\alpha) \rightarrow (\beta)) =$$

by

$$\text{supp}((\alpha|\beta)) =$$

$$\text{supp}((\alpha \rightarrow \beta)) =$$

19. p.1136, appendix G.5.2, l.-17

Replace

$$\text{Sub}(M)$$

by

$$\text{Sub}(M^m)$$

20. p.1136, appendix G.5.2, l.-6

Replace

support of

by

support

21. p.1128, appendix G.3.3, proposition 105, l.11

Replace

objects⁸,

by

objects⁸.

22. p.1120, appendix G.2.1, definition 153, l.-10

Replace

C is *left adjoint to D*

by

F is *left adjoint to G*

23. p.1112, appendix F.4, example 83, 1-17

Replace

$$\mathbb{M}_{n,n}(R) \xrightarrow{\sim} \mathbb{A}^{n^2}$$

by

$$\mathbb{M}_{n,n}(R) \xrightarrow{\sim} \mathbb{A}^{n^2}(R)$$

24. p.1069, appendix C.3.2, example 73, 1.5

Replace

$$\phi : H \rightarrow G^H$$

by

$$\phi : H \rightarrow \text{Aut}(G^H)$$

25. p.1105, appendix E.4.4, lemma 84, 1-4

Replace

$$\text{exp}(ad(x))$$

by

$$\text{exp}(ad(x))$$

26. p.725, chapter 35.4, formula (35.3), 1.2

Replace

$$\text{Mother} \xrightarrow[\text{Id}]{} \mathbf{Limit}(\text{ScoreForm}, \text{LocPerfScore})$$

by

$$\text{Mother} \xrightarrow[\text{Id}]{} \mathbf{Colimit}(\text{ScoreForm}, \text{LocPerfScore})$$

27. p.1091, chapter E.3, 1.2/3

Replace

$$f : S \rightarrow R$$

by

$$f : R \rightarrow S$$

28. p.177, chapter 9, 1.5

Replace

tha

by

that

29. p.263, chapter 11.6.2, 1.-7
Replace
Heins
by
Haines
30. p.264, chapter 11.6.2, 1.-3
Replace
Heins
by
Haines
31. p.270, chapter 11.6.3, caption of figure 11.16, 1.3
Replace
magenta
by
red
32. p.323, chapter 13.4.2.1, 1.14
Replace
the the
by
the
33. p.394, chapter 17.2, 1.7
Replace
festgelet
by
festgelegt
34. p.941, chapter 48.2, 1.-6
Replace
M...bius
by
Möbius

35. p.999, chapter 53, chatchword, 1.6

Replace

das

by

dans

36. p.1091, chapter E.3, 1.6

Replace

$$M \rightarrow S \otimes_R : x \mapsto 1 \otimes x$$

by

$$M \rightarrow S \otimes_R M : x \mapsto 1 \otimes x$$

37. p.648, chapter 31.2, figure 31.1

Replace

$(0)f$

by

p_{Δ}^0

38. p.605, chapter 28.2.2, title

Replace

Jrgen

by

Jürgen

39. p.1063, chapter C.2.2, 1.4

Replace

$$p = (a_0, a_1, \dots a_n)$$

by

$$p = (a_1, a_2, \dots a_n)$$

40. p.1063, chapter C.2.2, 1.5

Replace

$$i = 0, 1, \dots n - 1$$

by

$$i = 1, \dots n - 1$$

41. p.1063, chapter C.2.2, 1.6

Replace

$tail(a_0)$

by

$tail(a_1)$

42. p.520, chapter 24.2.2, 1.2 in the cube diagram

Replace

$@Id_B \times m$

by

$@Id_A \times m$

43. p.547, chapter 25.3.4, 1.-7

Replace

$F_{e^p C, v}(c)$

by

$TF_{e^p C, v}(c)$

44. p.547, chapter 25.3.4, 1.13

Replace

self-addressedchords

by

self-addressed chords

45. p.123, chapter 7.4, 1.-12, -11, -10

Replace

(vi) We have $\neg \hat{U} \subset \widehat{\neg U}$.

(vii) With respect to the Boolean and Heyting implications, respectively, we have

$$\hat{U} \Rightarrow \hat{V} \subseteq \widehat{U \Rightarrow V}.$$

by

(vi) For $A = 0$, we have $\widehat{\neg U} \subset \neg \hat{U}$.

(vii) For $A = 0$, and with respect to the Boolean and Heyting implications, respectively, we have

$$\widehat{U \Rightarrow V} \subset \hat{U} \Rightarrow \hat{V}.$$

46. p.541, chapter 25.3.1, 1.-7
 Replace
 minor
 by
 major
47. p.544, chapter 25.3.2, 1.20
 Replace
 $TF_{f,t}(f, t) \in \text{VAL} \times \text{TON}$
 by
 $TF_{f,t}, (f, t) \in \text{VAL} \times \text{TON}$
48. p.251, chapter 11.5.2.2, 1.8
 Replace
 X a zero-addressed denotator
 by
 X is a zero-addressed denotator
49. p.244, chapter 11.5.1, 1.-10
 Replace
 generalizatio,n
 by
 generalization,
50. p.1133, chapter G.5.1, 1.-14
 Replace
 $1 \rightarrow \Omega$
 by
 $1 \rightarrow \Omega \times \Omega$
51. p.442, chapter 20.2.1, 1.14
 Replace
 set
 by
 finite set

52. p.443, chapter 20.2.2, 1.-2

Replace

$$\mu(p_1(x), \hat{\mu}(p_{2\dots n}(x)))$$

by

$$\mu(p_1(x), \hat{\mu}(p_{2\dots n}(x)))$$

53. p.149, chapter 8.1.1, example 12, figure 8.10

Replace

in middle series (op.28, string quartet), pitches no. 6,7

by

pitches no. 6,7, both raised by one semitone

54. p.1084, chapter E.1.1, 1.-12

Replace

$$\pi_j((m)_i) \mapsto m_j$$

by

$$\pi_j((m)_i) \mapsto m_j$$

55. p.1116, chapter G.1, 1.15

Replace

$$\text{dom}(f) = \text{codom}(f)$$

by

$$\text{dom}(f) = \text{codom}(f)$$

56. p.54, chapter 6.1.1, 1.2

Replace

$$\text{PianoSelector} \rightsquigarrow \coprod(\text{Onset}, \text{Pitch}, \text{Loudness}, \text{Duration})$$

by

$$\text{PianoSelector} \rightarrow \coprod(\text{Onset}, \text{Pitch}, \text{Loudness}, \text{Duration})$$

57. p.24, chapter 3.1, 1.-16

Replace

”I”

by
“T”

58. p.1084, chapter E.1.1, 1.10

Replace

$\langle \cup IM_i \rangle$

by

$\langle \cup_I M_i \rangle$

59. p. 1143, chapter G.5.3.3, footnote 14

Update

Denotex was developed in ... Müller. It is available online at

http://www.ifi.unizh.ch/mml/musicmedia/documents/denotex_ebnf_1_2_1.pdf

60. p.1155, chapter I.1.3, 1-6

Replace

\mathbb{R}^n

by

\mathbb{R}^m

61. p.1155, chapter I.1.3, 1-5

Replace

$U \subseteq \mathbb{R}^m$,

by

$U \subseteq \mathbb{R}^m$ with $f(O) \subseteq U$,

62. p.1156, chapter I.1.3, 1.7

Replace

$y : U \rightarrow \mathbb{R}^n$,

by

$y : U \rightarrow \mathbb{R}^n$, $U \subseteq \mathbb{R}$,

63. p.561, chapter 26.5.1, l.18

Replace
figure ??
by
figure 27.5

64. p.362, chapter 15.2.2, l.3

Replace
ofb
by
of *b*

65. p.344, chapter 14.4, l.6

Replace
realized²
by
realized²

66. p.1157, chapter I.2.1, l.2

Replace
 $T_{\zeta, \eta, f} = \eta + \int_{\zeta}^? f \circ y$
by
 $T_{\zeta, \eta, f}(y) = \eta + \int_{\zeta}^? f \circ y$

67. p.1160, chapter I.2.4, l.-1

Replace
 \mathcal{C}^1 -vector fields
by
 \mathcal{C}^∞ -vector fields

68. p.1157, chapter I.2.1, 1.-4

Replace

$$\|f_m - f_n\| > \epsilon$$

by

$$\|f_m - f_n\| < \epsilon$$

69. p.1157, chapter I.2.1, 1.9

Replace

$$d(x, T^k) \leq d(x, T(x)) + d(T(x), T^2(x)) + \dots + d(T^{k-1}(x), T^k(x))$$

by

$$d(x, T^k(x)) \leq d(x, T(x)) + d(T(x), T^2(x)) + \dots + d(T^{k-1}(x), T^k(x))$$

70. p.1159, chapter I.2.2, 1.1

Replace

$$x, y \in D$$

by

$$u, v \in D$$

71. p.1159, chapter I.2.2, 1.16

Replace

,and

by

, and

72. p.1159, chapter I.2.2, 1.24

Replace

$$f \circ f$$

by

$$f \circ y$$

73. p.1159, chapter I.2.2, 1.-4

Replace

att_1

by

at t_1

74. p.1159, chapter I.2.2, 1.-3

Replace

$J = [-\infty, b[$

by

$J =] - \infty, b[$

75. p.1159, chapter I.2.2, 1.-2

Replace

$J = [a, \infty[$

by

$J =]a, \infty[$

76. p.1159, chapter I.2.2, 1.26

Replace

$D / \sim = \{ \int_x |x \in D \}$

by

$D / \sim = \{ Im(\int_x) | x \in D \}$

77. p.1173, appendix L.1, 1.-6 (class79)

Replace

● ● ● ○ ● ● ● ○ ○ ○ ○

by

● ● ● ○ ● ○ ○ ● ● ○ ○ ○

78. p.1174, appendix L.1, l.-2 (class 87)

Replace

● ● ○ ● ● ○ ○ ● ● ○ ○ ○

by

● ● ○ ○ ● ● ○ ○ ● ● ○ ○

79. p.623, chapter 29.3.1, figure 29.3

Replace

the numberings of the torus points in all four occurrences of the torus

by

the numberings in figure 29.2.

80. p.619, chapter 29.1, l.6

Replace

des

by

does

81. p.605, chapter 28.2.2, l.9

Replace

b minor

by

b -minor

82. p.605, chapter 28.2.2, l.-7

Replace

$$W = \text{Aut}(\mathfrak{M}_0).B_b = \{B.D_b, E, G, A, C, E_b, G_b\},$$

by

$$W = \text{Aut}(\mathfrak{M}_0).B_b = \{B_b, D_b, E, G, A, C, E_b, G_b\},$$

83. p.358, chapter 15.2.2, l.-1

Replace

$$n\Gamma(H^J)|f/Id_A \subset n\Gamma(G^I)$$

by

$$\Delta n\Gamma(H^J)|f/Id_A \subset \Delta n\Gamma(G^I)$$

84. p.359, chapter 15.2.2, l.14

Replace

$$S = {}_A\Delta_n \subset A^{\sqcup n}$$

by

$$S = {}_A\Delta_n \subset A@_R A^{\sqcup n}$$

85. p.686, chapter 33.2, l.13

Replace

$$K \subset$$

by

$$L \subset$$

86. p.686, chapter 33.2, l.14

Replace

$$k \subset$$

by

$$l \subset$$

87. p.694, chapter 33.3.2, 1.-10

Replace
helps shifting
by
helps shift

88. p.715, chapter 35.3, 1.5

Replace
 $B_{i_1} \times B_{i_2} \times \dots B_{i_k} \times P_{j_1} \times \dots B_{j_l}$
by
 $B_{i_1} \times B_{i_2} \times \dots B_{i_k} \times P_{j_1} \times \dots P_{j_l}$

89. p.715, chapter 35.3, 1.12

Replace
 $B_{i_1} \oplus B_{i_2} \oplus \dots B_{i_k} \oplus P_{j_1} \oplus \dots B_{j_l}$
by
 $B_{i_1} \oplus B_{i_2} \oplus \dots B_{i_k} \oplus P_{j_1} \oplus \dots P_{j_l}$

90. p.761, chapter 38.2, 1.6

Replace
arpeggio daughter (to the right)
by
arpeggio daughter (to the left)

91. p.766, chapter 38.2, 1.7

Replace
help another stemma to build
by
help another stemma build

92. p.772, chapter 38.3.4, 1.-4/-3

Replace
help describing and understanding
by
help describe and understand

93. p.774, chapter 39, 1.16

Replace
The chapter is concludes
by
The chapter concludes

94. p.792, chapter 39.4.4, 1.-10

Replace
Lie derivations
by
Lie derivatives

95. p.666, chapter 32.2, 1.19

Replace
13.4.2
by
13.4.1

96. p.253, chapter 11.5.2.2, 1.-6

Replace
 $\overrightarrow{GL}(\mathbb{Z}_{12}^2)$
by
 $\overrightarrow{GL}(\mathbb{Z}_{12})$

97. p.114, chapter 7.2.2, summary 1.1

Replace
This section
by
This section

98. p.141, chapter 8.1.1, caption of figure 8.4, 1.5

Replace
quater notes
by
eighth notes

99. p.183, chapter 9.2, caption of figure 9.4, 1.1

Replace
pointed-at from M_2
by
pointed-at from M_1

100. p.301, chapter 13.1, 1.10

Replace
Hof-
by
Hoff-

101. p.302, chapter , figure 13.1 b)
subset B is not framed, replace figure by

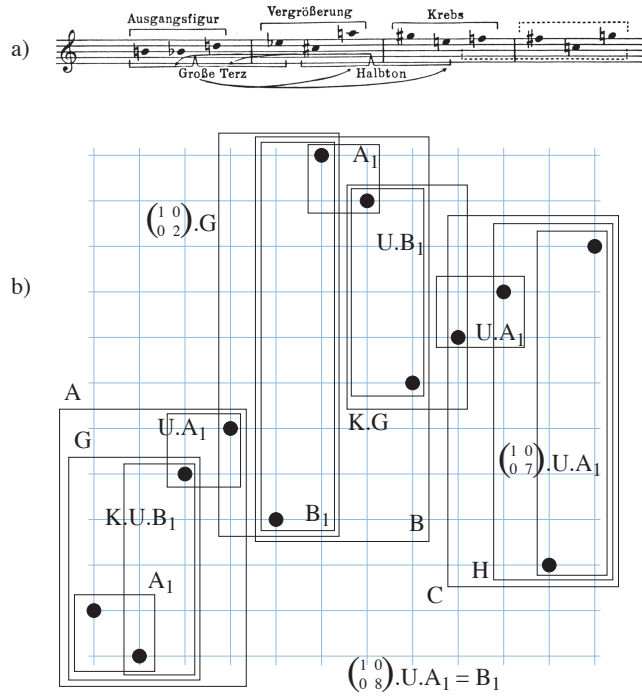


Figure 1: a) Internal structure of a dodecaphonic series following Boulez [?, I], with kind permission of Schott-Verlag; b) representation of the series as a local composition in ambient space $OnPiMod_{0,12}$. Frames are drawn around partial series as suggested by Boulez (part a) of this figure), which are related to each other by symmetry transformations (U = inversion, K = retrograde).

102. p.303, chapter 13.1, 1.-8

Replace

Hofmann

by

Hoffmann

103. p.467, chapter 22.1, 1.15

Replace

sec section

by

section

104. p.494, chapter 22.8.2.2, 1.-9
Replace
type type
by
type
105. p.848, chapter 42.4.1.4, 1.-7
Replace
strategy,the
by
strategy, the
106. p.849, chapter 42.4.2, 1.-4
Replace
Bösendorfer
by
Boesendorfer
107. p.866/p.867, figures 43.8/43.9
switch graphics or captions
108. p.1118, example 91, 1.-6
Replace
 $p_s(c, d)$
by
 $p_2(c, d)$
109. p.1294, index, 1.4
Replace
Hofmann
by
Hoffmann

110. p.309, chapter 13.2, l.12
and p.314, chapter 13.3, l.-13
Replace
The data (iii) to (v)
by
The data (iii) to (vi)