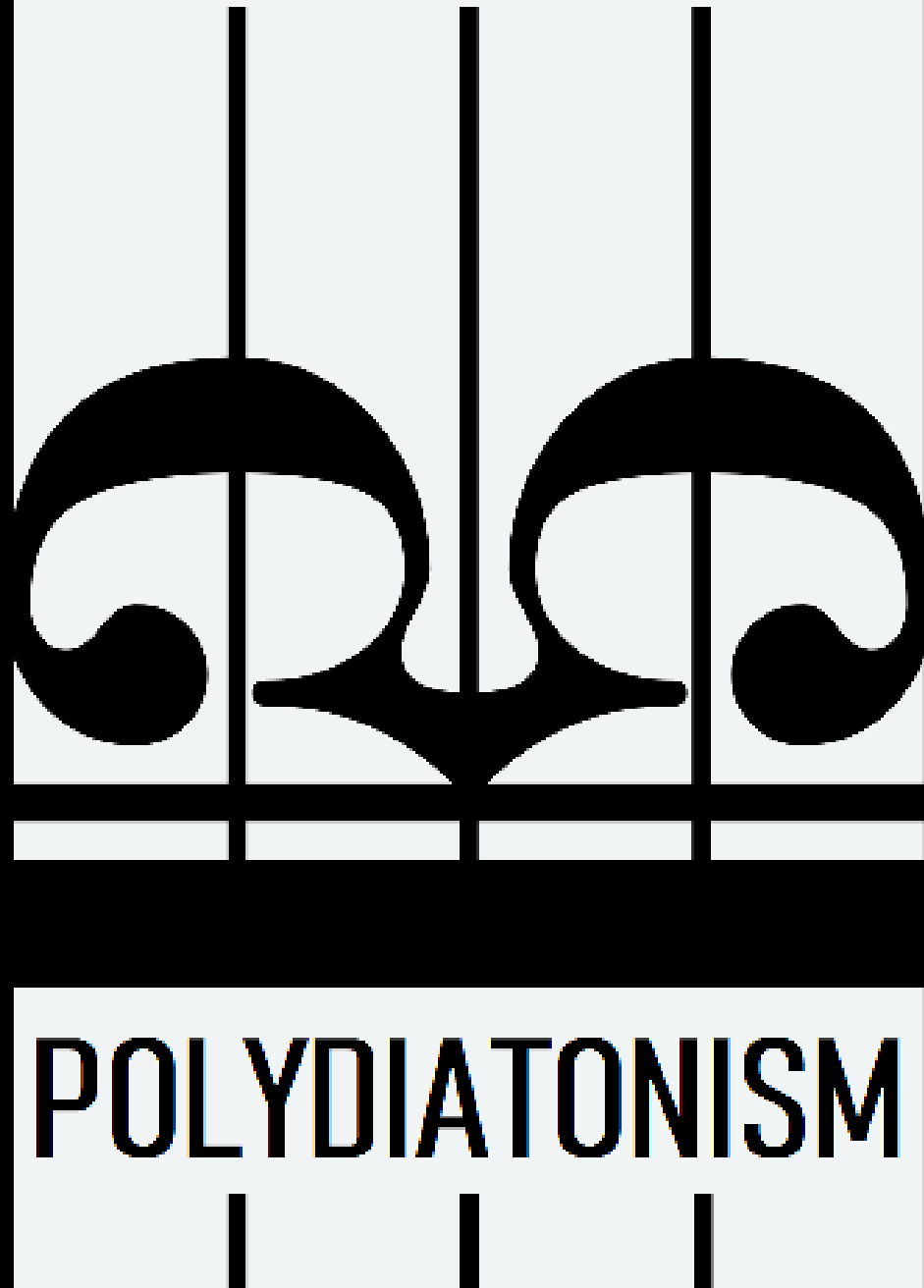


Diunum R91 Binding



POLYDIATONISM



Heikki Ruonaniemi

Scale Model Table

Diumum R91

| Scale Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | ID |
|---------------------|-----------------|----|---|----|---|----|----|----|----|----|----|----|---|----|---|------------|--------------------|---------------------------|----|----|----|----|----|----|---|------|--|----|
| x x x x x x x x x x | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | | | |
| I | x | x | | x | x | | x | | x | x | x | x | x | x | x | x | x | x | | x | | x | | x | x | I10 | | |
| II | x | | x | | x | | x | | x | | x | | x | | x | | x | | x | | x | | x | | x | | | |
| III | x | | x | | x | | x | | x | | x | | x | | x | | x | | x | | x | | x | | x | | | |
| | c | cx | d | dx | e | f | fx | g | gx | a | ax | b | c | cx | d | dx | e | f | fx | g | gx | a | ax | b | c | I10e | | |
| | | db | | eb | | gb | | ab | | bb | | db | | eb | | gb | | ab | | bb | | | | | | | | |
| | M x u x x l x M | | | | | | | | | | | | | | | I10e/e,e | E-transformation | Key signatures G-major | | | | | | | | | | |
| | u x x l x M x u | | | | | | | | | | | | | | | I10e/e,g | | | | | | | | | | | | |
| | l x M x u x x l | | | | | | | | | | | | | | | I10e/e,c | | | | | | | | | | | | |
| | M x u x x l x M | | | | | | | | | | | | | | | I10e/cx,cx | C-x-transformation | Key signatures E-major | | | | | | | | | | |
| | u x x l x M x u | | | | | | | | | | | | | | | I10e/cx,e | | | | | | | | | | | | |
| | l x M x u x x l | | | | | | | | | | | | | | | I10e/cx,a | | | | | | | | | | | | |
| | M x u x x l x M | | | | | | | | | | | | | | | I10e/a,a | A-transformation | Key signatures C-major | | | | | | | | | | |
| | u x x l x M x u | | | | | | | | | | | | | | | I10e/a,c | | | | | | | | | | | | |
| | l x M x u x x l | | | | | | | | | | | | | | | I10e/a,f | | | | | | | | | | | | |

Composition Chart

Diumum R91

| Time signatures 4/4 | | |
|---------------------|-------------------------|---------------------------------|
| Tempo 1/4 M.M. | Measures in Fraction | Duration of Fraction in sec. |
| 90 | 8 | 21,3 |

| R S T Percussions | Rea | Rea | Reb | Reb | Rea | Reb | Rec | Rec | Res | Rgs | Rga | Rga | Rgb | Rgb | Rga | Rgb | Rgc | Rgc | Rgs | Rcs | Rca | Rca | Rcb | Rcb | Rca | Rcb | Rcc | Rcc | Rcs | Res | Rea | Reb | Rec | Rea | | | | | | | | |
|----------------------------|-------------|-----|-----|-----|-----|-----|-----|-----|---------------------|-----|-----|-----|---------------------|-----|-----|-----|-----|-----|-----|-----|---------------------|-----|-----|-----|---------------------|-----|-----|------|------|------|------|------|---------------------|------|--|--|-------------|--|--|--|--|--|
| | Sga | Sga | Sgb | Sgb | Sga | Sgb | Sgc | Sgc | Sgs | Scs | Sca | Sca | Scb | Scb | Sca | Scb | Scs | Scs | Scs | Ses | Sea | Sea | Seb | Seb | Sea | Seb | Sec | Sec | Ses | Sgs | Sga | Sgb | Sgc | Sga | | | | | | | | |
| T | Tca | Tca | Tcb | Tcb | Tca | Tcb | Tcc | Tcc | Tcs | Tes | Tea | Tea | Teb | Teb | Tea | Teb | Tec | Tec | Tes | Tgs | Tga | Tga | Tgb | Tgb | Tga | Tgb | Tgc | Tgc | Tgs | Tcs | Tca | Tcb | Tcc | Tca | | | | | | | | |
| Transpositions | G | | | | | | | | | | | | | | E | | | | | | | | | | | | | | C | | | | | | | | | | | | | |
| Phases | Index phase | | | | | | | | 1. Transition phase | | | | 1. Comparison phase | | | | | | | | 2. Transition phase | | | | 2. Comparison phase | | | | | | | | 3. Transition phase | | | | Final phase | | | | | |
| Degree of change | ----- | | | | | | | | ----- | | | | ----- | | | | | | | | ----- | | | | ----- | | | | | | | | ----- | | | | | | | | | |
| Duration min. | 0,4 | 0,7 | 1,1 | 1,4 | 1,8 | 2,1 | 2,5 | 2,8 | 3,2 | 3,6 | 3,9 | 4,3 | 4,6 | 5,0 | 5,3 | 5,7 | 6,0 | 6,4 | 6,8 | 7,1 | 7,5 | 7,8 | 8,2 | 8,5 | 8,9 | 9,2 | 9,6 | 10,0 | 10,3 | 10,7 | 11,0 | 11,4 | 11,7 | 12,1 | | | | | | | | |
| Duration s. | 21 | 43 | 64 | 85 | 107 | 128 | 149 | 171 | 192 | 213 | 235 | 256 | 277 | 299 | 320 | 341 | 363 | 384 | 405 | 427 | 448 | 469 | 491 | 512 | 533 | 555 | 576 | 597 | 619 | 640 | 661 | 683 | 704 | 725 | | | | | | | | |
| Measures | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 | 88 | 96 | 104 | 112 | 120 | 128 | 136 | 144 | 152 | 160 | 168 | 176 | 184 | 192 | 200 | 208 | 216 | 224 | 232 | 240 | 248 | 256 | 264 | 272 | | | | | | | | |

13

R

S

T

Reb

Sgb

This system contains measures 13 through 16. It features three staves: R (Tenor), S (Soprano), and T (Bass). The key signature has one sharp (F#) and the time signature is 12/8. The R staff has a melodic line with eighth and sixteenth notes. The S staff has a similar melodic line. The T staff provides a steady bass line. Measure 16 includes the vocal labels 'Reb' and 'Sgb'.

17

R

S

T

Tcb

This system contains measures 17 through 20. It features three staves: R (Tenor), S (Soprano), and T (Bass). The key signature has one sharp (F#) and the time signature is 12/8. The R staff has a melodic line with eighth and sixteenth notes. The S staff has a similar melodic line. The T staff provides a steady bass line. Measure 17 includes the vocal label 'Tcb'.

21

R

S

T

Reb

Sgb

This system contains measures 21 through 24. It features three staves: R (Tenor), S (Soprano), and T (Bass). The key signature has one sharp (F#) and the time signature is 12/8. The R staff has a melodic line with eighth and sixteenth notes. The S staff has a similar melodic line. The T staff provides a steady bass line. Measure 24 includes the vocal labels 'Reb' and 'Sgb'.

25

R

S

T

Tcb

This system contains measures 25 through 28. It features three staves: R (Tenor), S (Soprano), and T (Bass). The key signature has one sharp (F#) and the time signature is 12/8. The R staff has a melodic line with eighth and sixteenth notes. The S staff has a similar melodic line. The T staff provides a steady bass line. Measure 25 includes the vocal label 'Tcb'.

29 Rea

S Sga

T

Detailed description: This system contains measures 29 through 32. The Soprano part (S) has lyrics 'Rea' in measure 29 and 'Sga' in measure 32. The Tenor part (T) has a whole rest in measure 32. The music is in a key with one sharp (F#) and a 3/4 time signature.

33

T Tca

Detailed description: This system contains measures 33 through 36. The Tenor part (T) has lyrics 'Tca' in measure 34. The Soprano part (S) and the other parts continue their melodic lines. The music is in a key with one sharp (F#) and a 3/4 time signature.

37 Reb

S Sgb

T Tcb

Detailed description: This system contains measures 37 through 40. The Soprano part (S) has lyrics 'Sgb' in measure 39 and the Tenor part (T) has lyrics 'Tcb' in measure 40. The music is in a key with one sharp (F#) and a 3/4 time signature.

41

Detailed description: This system contains measures 41 through 44. It shows the continuation of the vocal parts without lyrics. The music is in a key with one sharp (F#) and a 3/4 time signature.

45 Rec

R
S
T

Sgc
Tcc

Detailed description: This system contains measures 45 through 48. It features three vocal staves labeled R (Right), S (Soprano), and T (Tenor). The music is in a key with one sharp (F#) and a 3/4 time signature. The vocal lines are active throughout, with various rhythmic patterns including eighth and sixteenth notes. The lyrics 'Rec', 'Sgc', and 'Tcc' are positioned to the right of the staves, corresponding to the vocal parts.

49

R
S
T

Detailed description: This system contains measures 49 through 52. It features three vocal staves labeled R (Right), S (Soprano), and T (Tenor). The music is in a key with one sharp (F#) and a 3/4 time signature. The vocal lines continue with similar rhythmic patterns. There are no lyrics present in this system.

53 Rec

R
S
T

Sgc
Tcc

Detailed description: This system contains measures 53 through 56. It features three vocal staves labeled R (Right), S (Soprano), and T (Tenor). The music is in a key with one sharp (F#) and a 3/4 time signature. The vocal lines are active throughout. The lyrics 'Rec', 'Sgc', and 'Tcc' are positioned to the right of the staves, corresponding to the vocal parts.

57

R
S
T

Detailed description: This system contains measures 57 through 60. It features three vocal staves labeled R (Right), S (Soprano), and T (Tenor). The music is in a key with one sharp (F#) and a 3/4 time signature. The vocal lines continue with similar rhythmic patterns. There are no lyrics present in this system.

61

R
S
T

This system contains measures 61 through 64. It features three staves: R (Tenor), S (Soprano), and T (Bass). The music is in a key with one sharp (F#) and a 3/4 time signature. The R staff begins with a treble clef and a 3/4 time signature. The S and T staves begin with a bass clef and a 3/4 time signature. The R staff has a melodic line with eighth and quarter notes. The S and T staves provide harmonic support with similar rhythmic patterns.

65

Res

R
S
T

Sgs

Tcs

This system contains measures 65 through 69. It features three staves: R (Tenor), S (Soprano), and T (Bass). The music is in a key with one sharp (F#) and a 3/4 time signature. The R staff begins with a treble clef and a 3/4 time signature. The S and T staves begin with a bass clef and a 3/4 time signature. The R staff has a melodic line with quarter and eighth notes. The S and T staves provide harmonic support. The label 'Res' is placed above the R staff, 'Sgs' above the S staff, and 'Tcs' above the T staff.

70

Rgs

R
S
T

Scs

Tes

This system contains measures 70 through 74. It features three staves: R (Tenor), S (Soprano), and T (Bass). The music is in a key with one sharp (F#) and a 3/4 time signature. The R staff begins with a treble clef and a 3/4 time signature. The S and T staves begin with a bass clef and a 3/4 time signature. The R staff has a melodic line with quarter and eighth notes. The S and T staves provide harmonic support. The label 'Rgs' is placed above the R staff, 'Scs' above the S staff, and 'Tes' above the T staff.

75

R
S
T

This system contains measures 75 through 79. It features three staves: R (Tenor), S (Soprano), and T (Bass). The music is in a key with one sharp (F#) and a 3/4 time signature. The R staff begins with a treble clef and a 3/4 time signature. The S and T staves begin with a bass clef and a 3/4 time signature. The R staff has a melodic line with quarter and eighth notes. The S and T staves provide harmonic support.

80 Rga

R

Sca

S

Tea

T

84

R

S

T

88 Rga

R

Sca

S

Tea

T

92

R

S

T

96 Rgb

R

Scb

S

Teb

T

101 Rgb

R

Scb

S

T

105

R

Teb

S

T

109 Rga

R

Sca

S

T

113

R

S

T

Tea

117

R

S

T

Rgb

Scb

121

R

S

T

Teb

125

R

S

T

Rgc

Scc

Tec

129

R
S
T

This system contains measures 129 through 132. It features three staves: R (Tenor), S (Soprano), and T (Bass). The music is in a key with one sharp (F#) and a 12/8 time signature. The R staff has a melodic line with eighth and sixteenth notes. The S staff has a similar melodic line with some ties. The T staff provides a harmonic accompaniment with eighth and sixteenth notes.

133

R
S
T

Rgc
Scc
Tec

This system contains measures 133 through 136. It features three staves: R (Tenor), S (Soprano), and T (Bass). The music is in a key with one sharp (F#) and a 12/8 time signature. The R staff has a melodic line. The S staff has a melodic line with some ties. The T staff provides a harmonic accompaniment. The lyrics "Rgc", "Scc", and "Tec" are written to the right of the S and T staves respectively.

137

R
S
T

This system contains measures 137 through 140. It features three staves: R (Tenor), S (Soprano), and T (Bass). The music is in a key with one sharp (F#) and a 12/8 time signature. The R staff has a melodic line. The S staff has a melodic line with some ties. The T staff provides a harmonic accompaniment.

141

R
S
T

This system contains measures 141 through 144. It features three staves: R (Tenor), S (Soprano), and T (Bass). The music is in a key with one sharp (F#) and a 12/8 time signature. The R staff has a melodic line. The S staff has a melodic line with some ties. The T staff provides a harmonic accompaniment.

145 Rgs

R

Scs

S

Tes

T

150 Rcs

R

Ses

S

Tgs

T

155

R

S

T

160 Rca

R

Sea

S

Tga

T

164

R
S
T

Detailed description: This system contains measures 164 through 167. It features three staves: Soprano (S), Alto (R), and Tenor (T). The key signature has four sharps (F#, C#, G#, D#) and the time signature is 3/4. The Soprano part begins with a half note G4, followed by quarter notes A4, B4, C5, B4, A4, G4. The Alto part begins with a half note G4, followed by quarter notes A4, B4, C5, B4, A4, G4. The Tenor part begins with a half note G3, followed by quarter notes A3, B3, C4, B3, A3, G3.

168

Rca

Sea

Tga

R
S
T

Detailed description: This system contains measures 168 through 171. It features three staves: Soprano (S), Alto (R), and Tenor (T). The key signature has four sharps (F#, C#, G#, D#) and the time signature is 3/4. The Soprano part has lyrics 'Rca' above measure 168 and 'Sea' above measure 169. The Alto part has lyrics 'Tga' above measure 170. The Tenor part has lyrics 'Tga' above measure 170. The Soprano part begins with a half note G4, followed by quarter notes A4, B4, C5, B4, A4, G4. The Alto part begins with a half note G4, followed by quarter notes A4, B4, C5, B4, A4, G4. The Tenor part begins with a half note G3, followed by quarter notes A3, B3, C4, B3, A3, G3.

172

R
S
T

Detailed description: This system contains measures 172 through 175. It features three staves: Soprano (S), Alto (R), and Tenor (T). The key signature has four sharps (F#, C#, G#, D#) and the time signature is 3/4. The Soprano part begins with a half note G4, followed by quarter notes A4, B4, C5, B4, A4, G4. The Alto part begins with a half note G4, followed by quarter notes A4, B4, C5, B4, A4, G4. The Tenor part begins with a half note G3, followed by quarter notes A3, B3, C4, B3, A3, G3.

176

Rcb

Seb

Tgb

R
S
T

Detailed description: This system contains measures 176 through 179. It features three staves: Soprano (S), Alto (R), and Tenor (T). The key signature has four sharps (F#, C#, G#, D#) and the time signature is 3/4. The Soprano part has lyrics 'Rcb' above measure 176 and 'Seb' above measure 177. The Alto part has lyrics 'Tgb' above measure 178. The Tenor part has lyrics 'Tgb' above measure 178. The Soprano part begins with a half note G4, followed by quarter notes A4, B4, C5, B4, A4, G4. The Alto part begins with a half note G4, followed by quarter notes A4, B4, C5, B4, A4, G4. The Tenor part begins with a half note G3, followed by quarter notes A3, B3, C4, B3, A3, G3.

181 Rcb

R
S
T

185 Tgb

R
S
T

189 Rca
Sea

R
S
T

193 Tga

R
S
T

197

Rcb

Seb

201

Tgb

205

Rcc

Sec

Tgc

209

213

Rcc

R

S

T

Sec

Tgc

217

R

S

T

221

R

S

T

225

Rcs

Ses

Tgs

R

S

T

230

R

S

T

Res

Sgs

Tcs

234

R

S

T

239

R

S

T

Rea

Sga

Tca

243

R

S

T

247

Reb

R

S

T

Sgb

Tcb

251

R

S

T

255

Rec

R

S

T

Sgc

Tcc

259

R

S

T

263

Rea

Sga

Tca

This musical system covers measures 263 to 266. It features three staves: R (Right), S (Soprano), and T (Tenor). The R staff begins with a treble clef and a key signature of one flat. The S and T staves begin with a bass clef and a key signature of one flat. The lyrics 'Rea', 'Sga', and 'Tca' are placed above the R, S, and T staves respectively. A double bar line is present after measure 264.

267

This musical system covers measures 267 to 270. It features three staves: R (Right), S (Soprano), and T (Tenor). The R staff begins with a treble clef and a key signature of one flat. The S and T staves begin with a bass clef and a key signature of one flat.

271

This musical system covers measures 271 and 272. It features three staves: R (Right), S (Soprano), and T (Tenor). The R staff begins with a treble clef and a key signature of one flat. The S and T staves begin with a bass clef and a key signature of one flat.

