

Gregor A. Mayrhofer

... t .. r . a .ces - FUSION

for ensemble

2012

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Music: Gregor A. Mayrhofer

Video: Johannes Mayrhofer

I was always very fascinated of the similarity between macrophysics and microphysics. A lot of structural elements seem to follow the very same rules and processes, both for planets/galaxies as for atomic nuclei.

Inspired by the phenomenon of nuclear fusion, where two or more single nuclei join (“fuse”) together and thus release a huge amount of energy, this piece develops a non linear climax, which suddenly “explodes” and creates new material and new structures.

One of the main topics of this piece are the changes from chaos to structure, from single particles to groups and combined elements, from noise textures to concrete motives and definite lines – both in the sound and in the video.

The video parts are mainly created and combined in realtime which allows the ensemble to play freely and makes the video react to the music.

... t .. r . a . c e s - FUSION

composed for the Ensemble Nostris Temporis

Gregor A. Mayrhofer
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♩ = 110

2 3 4 (always low air noise, keep lips closed around mouthpiece) 5 6 7 8 9 10 11 12

Flute *gliss.* jet whistle *ffz* *p* *mf* *f* *p* *mf*

Oboe very loud air noise (like an explosion) *pp* *mp* *mf* *p* *mf*

Horn in F *ffz* *p* *mf*

Violin (Bow-Position) (molto a la punta) *ffz* *p* *pp* *fz* *pp*

Piano *pp*

Ped. →

13 14 15 16 17 18 jet whistle 19 20 21 22

Flute *f* *mp* *pp* *fz* *rf* *rf* *rf*

Oboe *mp* *pp* *p* *fz* (low air noise, close lips around mouthpiece) *p*

Violin (surprisingly) *fz* *pp* (accents ad libitum) with wooden stick of the mallet (higher sound!)

Piano *ppp* *p*

Ped. →

blow into the key-holes,
while moving the instrument
from one side to the other

... t . r . a . ces - FUSION

A

23 24 25 26 27 28

play freely whistle-notes (sul E)

p *fz* *p* *fz* *ppp*

fz *p* *fz* *p* *fz* *fz*

(blow from a distance into the mouthpiece,
while moving the instrument from one side to the other)

pp *mf* *fz* *fz*

ffz *pp* *f* *8va*

gliss.
gliss.

glissando with
fingernails on white keys

mf *mf* *fz*

29 30 31 32 33 34 35

moving instrument while blowing in keyholes
(like before, but rhythmically)

(play like before, but rhythmically)

f *f*

frullato

pp *fz* *ff* *p cresc.* *fz*

molto al pont

(scratchy high sound)

arco ordinario
flautando

ffz *f* *fz* *pppp*

(gliss in Piano with soft mallet)

glissando with
fingernails on white keys

pp *f* *fz* *pppp*

(release Pedal loudly)

f *mf*

8va

B

Jet-Whistle

Jet-Whistle

C

C Poco piu mosso

♩ → ♩ = 120

(loudest possible air noise)

tounge-ram

slap-sound

Plopp-Notes (low air noise)

gliss.

ff (scratchy sound)

(damped strings)

8^{vb}

pp

p

f

ppp

ff

f

mf

p

ff

p

G.P.

play freely whistle-notes (sul E)

"Loginov"-Pizz.

plopp-notes

ppp

ffz

p

f

ppp

(8)

f

pp

8^{vb}

p

ff

60

61

62

63

64

65

5

tounge-ram

G.P.

frull.

p

f

ff

fp

ppp

f > p

"Loginov"-Pizz. normal plopp

p

mf

ffz

p

(scratchy!)

ff

pp

pp

ff

ff

mf

8^{vb}

66

67

68

69

70

"Loginov"-Pizz.

plopp-notes

flautando

pp

pp

ffz

p

pp

pp

pp

mp

mf

p

(8)

... t . r . a . c e s - F U S I O N

6 71

72

73

74

75

repeat as fast as possible

76

fp
slap-sound

pp

f

ppp

legato

pppp

vertical gliss.

ppp

(scratchy!)

ff > pp

(8) < ff

77

78

79

80

81

mp

ppp

sempre ppp

very quiet rattling-gliss

p

mp

p

low scratch sound (high bow pressure)

pp < mf pp <

8th

82

83

84

85

ppp
("funny reed glissandi" pitches free)
pp

repeat as fast as possible
legato
pppp
mf pp f
repeat as fast as possible
PPP
8th



86

87

88 repeat as fast as possible

89

repeat as fast as possible
legato
pppp
tounge slap
p
ppp
low scratch sound
ϕ (high bow pressure, sul tasto)
f
ϕ quiet rattling-gliss
p mf mp
ff f f

(8).....

90

91 repeat as fast as possible

92

93

low scratch sound

repeat as fast as possible

legato, molto sul tasto

repeat as fast as possible

pp mp mf pp mp pp

f ppp

f mf

p

(8).....

94

95

96

97 repeat as fast as possible

98

99

(lipps-gliss.)

legato

repeat as fast as possible

mf ppp ppp

ppp mf

molto sul tasto (flautando)

ppp pppp

ff mf

(8).....

(Pedal STOP!)

(Sust.)

G.P.
(don't move,
but no Fermata!)

F ♩ → ♩ = 100
suddenly!

100

101

fff suddenly!

"wild glissandi" from highest notes
(pressing ventils chaotically)

ff *molto al pont!*



102

103

fz (double-trill)

fz *mf*

(scratching sound)

ff

fp (chromatic cluster A-Db!)

10
104

105

106

fz *frull.* *fp* *mf*

trem. molto al pont. (scratching sound)

p *f* *f* *ff*

(tr) *t* *t* *t*

fp *fp* *fp*

PEDAL PEDAL

f

107

108

109

110

frull. *ff* *f* *fz* *frull.* *trem. molto al pont.* *mp*

(bisbiglando)

air notes

fp *fp* *PPP* repeat as fast as possible

PEDAL PEDAL

111 jet-whistle *p* *f*

112

113 (airnoise, almost without tone) *pp* (high air noise) *f*

114

high air noise *p* *pp* *f* *bouché*

(scratching sound) *pp* *mp* (only noise!) *p* *mp*

pppp

115 air noise, frull. (lips closed!) *p*

116 *pp*

117 *fpp* frull. ordinario

118 *mf* *bouché* *mf*

(scratching) *pp* *ffz* (only noise!) *p* *mp* *pp*

pp *mf*

mf

119 **H** 120 121 (with air in the sound)

bouché open!!!

gliss. with fingernails on keys

repeat as fast as possible

15^{ma}

pp

pp 5 5 5

mf 6 6

fz



122 123 124 125

(blow at keys while moving the instrument from left to right)

high air noise

(much noise, few tone)

fingernail gliss.

repeat as fast as possible

15^{ma}

pp

p 5 5

p 5 5

pp 5 5

p 5 5

fz

p

pp

p

fz

126

I

(blow into keyholes while moving the instrumen)

mf fz mf

mp mf fz

low air noise (into the horn)

mf "sch sch sch sch sch ...

molto al pont

(scratchy) (half noise, half tone)

f p

repeat as fast as possible

15^{ma} pp

pp 8th



128

129

130

fz

mf fz mf fz

pp

(open!!)

fz

arco ordinario

pp < fz pp < fz p < ffz

cresc.

(8)

repeat as fast as possible

p cresc.

(open!!)

fz

p

fz

(open!!)

p cresc. molto

(more tone, than noise)

pp cresc.

tr tr tr tr tr

p

ff sempre cresc.

(8)

f

molto

ff pesante

ffz

ff pesante

fz

f

molto

gliss.

f

f pesante

fz

f

molto

tr tr tr tr tr

f

ff pesante

ffz

ffz

ffz

6

6

6

6

6

6

8^{vb}

ffz

ffz

ffz

8^{vb}

137

138 repeat as fast as possible

139

fz 6 *p* legato

"wild gliss." *fz* *mf* *f* "wild gliss." ++ 5 ++ ++ 5 ++

repeat as fast as possible legato, molto sul tasto! *p*

6 6 6 3 3 3

6 6 6 3 3 3

(8)



140 **K**

141

ff pesante 3 *ffz* 3 *ff* pesante 3 *fz* 3

f 5 *ffz* 3 *ff* pesante 3 *fz* 3

f pesante 3 3 *fz* 3 (quasi gliss.) *fz* 3

ff pesante 3 3 *fz* 3

6 6 6 6 6 gliss.

6 6 6 6 6

(8).1

16

142 *ff pesante*

143 *ff pesante*

f pesante

ff

ffz

high scratchy sound with very strong bow pressure



144

145 **L**

146

ff pesante

ff pesante

f pesante

ff

ffz

high scratchy sound with very strong bow pressure

(reed gliss)

p

(even r.h. 8vb!)

8vb (with Pedal!)

147

148

149

Musical score for measures 147-149. The score consists of five staves. The top two staves are treble clefs, the next two are alto clefs, and the bottom staff is a bass clef. The music includes various dynamics such as *mp*, *pp*, *mf*, and *ff*. Techniques like "reed gliss" and "simile" are indicated. There are also slurs, triplets, and "5" fingerings throughout the passage.



150

151

152

Musical score for measures 150-152. The score consists of five staves. The top two staves are treble clefs, the next two are alto clefs, and the bottom staff is a bass clef. The music includes dynamics such as *f dim.*, *mp*, *p*, *mf*, and *pp*. Techniques like "rattling gliss.", "low scratching noise", and "high scratchy sound" are indicated. There are also slurs, triplets, and "5" fingerings throughout the passage.

(8) poco a poco cresc.

153 **M** 154 155

f dim. *mf* *f* *ff*

φ rattling gliss.

reed gliss

high scratchy sound

(8)



156 157 158

f dim. *cresc.* *f* *cresc.* *f* *cresc.*

φ rattling gliss.

ordinario

(8) *cresc.*

159 **N** 160 jet whistle 161 162

fp *f* *f* *ff* *f* *ff* *f* *ff*

fp *f* *f* *ff* *f* *ff* *f* *ff*

fp *ff* *fp*

ff

8^{vb}



163 164 165 166

fp *fp* *fp* *fp* *cresc.*

fp *fp* *fp* *fp* *cresc.*

fp *fp* *fp* *fp* *cresc.*

fp *fp* *fp* *fp* *cresc.*

repeat as fast as possible

15^{ma}

fp *fz* *fz* *f*

hold silent (with middle Pedal)

(Sust.)

(8)

167 168 169 (sul C) 170 171 repeat fluently 172 173

play freely whistle-notes
(combine notes ad libitum)

breathe out loud *f* *ppp* *pp cresc./accel.* *f*

breathe out loud *f* *pp cresc./accel.* *f*

(bouché)
breathe out loud "Loginov"-Pizz. *f*

(b) molto sul pont
tr tr tr tr tr tr tr tr tr tr tr tr
ppp cresc. *f*

breathe out loud *f* *ppp* *cresc.* *f*

(hold with right hand)
ff (Sust.) *f* *p* *ff*

174 175 176 177 178 179 180

play freely whistle-notes (sul E)

breathe out loud *f* *ppp* "sswswwssschshws..." *p*

breathe out loud *f* *ppp* "sswswwssschshws..."

breathe out loud "Loginov"-Pizz. soft whispering into the instrument *pp* "sswswwssschshws..."

breathe out loud *f* Bartok-Pizz. *fz*

breathe out loud *f* very soft whispering *ppp* "sswswwssschshws..."

(8) *ffz* (Sust.) *ffz* *8^{ub}* *ffz* *8^{ub}*

(hold with middle Pedal!)

181 182 **P** 183 184 185 186 187 188 frull. (start slowly)

poco a poco cresc.

ppp

poco a poco cresc.

very soft whispering

pp "sswswwsschshws..." *poco a poco cresc.*

Harmonic-gloss sul E (tempo free)

ppp flautando, sul tasto

poco a poco cresc.

poco a poco cresc.

(Sust.) *8^{va}*



189 190 191 192 193 **Q** 194 195

cresc.

f

pp

mf sempre cresc. frull.

pp

p sempre cresc.

mf sempre cresc.

molto sul pont

tr tr tr tr tr

pp

ffz

ffz

ffz

pp

ffz

pp

Ped.

Ped.

Ped.

196 (tr) 197 *fff* "wild gliss."
fff *fff* *fff*
fff *fff* *fff*
fff *fff* *fff* *fff* *fff* *fff* *fff* *fff* *fff* *fff*
6 6 6 6 6 6 6 3 6
(8) *ffz* *pp* *ffz* *pp* *ffz* *pp* *ff*
(Sust.) Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ

Quasi Cadenza!! (ca. 8 sec.)

with a very "airy" sound!!!

a tempo

whistle-notes (sul H) jet-whistle

play these notes in different combinations, as fast as possible

ppp *< ffz*

high air sound (blowing into the instrument/frull!)

molto sul pont (very noisy sound) (quasi without tone, only noise) gliss.

ppp

play these notes chaotically as fast as possible

with pedal

199 *fz* *dim.* *fp dim.* *mp* *ppp*
+ frull. / bouché
fz *dim.* *ppp*
fz *dim.* *ppp* *ppp*
15^{ma} *fz* *dim.*