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RODRIGO PASCALE

REDSHIFT

FOR CHAMBER ENSEMBLE

2019

SCORE

REDSHIFT

for chamber ensemble

Duration - cca. 7 min

Instrumentation

Flute

Clarinet in Bb

Violin

Cello

Piano

Percussion

According to the Big Bang theory, the universe had been expanding since the beginning of time when all the matter was highly concentered. In 1929, the American astronomer Edwin Hubble observed that almost all nebulas have a redshift resulted by the increasing wavelength, which means that they are moving away from us. “Redshift” is based on this concept of the universe’s expansion. On the first section, a dense texture is explored using all the instruments and complex rhythms. Gradually, the texture becomes sparser and the tempo decreases, which is an analogy of the galaxies becoming farer. Moreover, distortion s of the pitch material (based on the overtone series) were applied to reflect the distortion of wave lengths observed by Hubble.

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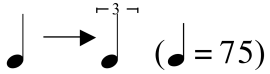
Rodrigo Valente Pascale

Performance notes



Arrow, indicates the gradual change of a parameter

Ex.: Flutter tongue to ord. and; non-scratch to scratch sounds, vice-versa



Metric Modulation, reference figure → new value (exact or approximated value of the tempo inside the parenthesis)

Microtonal symbols



+ ¼ tone



+ ¾ tone



- ¼ tone



- ¼ tone

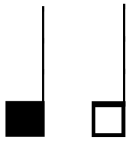
Flute



Aeolian/Air sounds, produced in normal playing position *Ex.:* https://youtu.be/nagYUWcHzpw
https://youtu.be/7NBoR3N_Qgo



Flutter tongue, *Ex.:* https://youtu.be/Eu_LcDPpiPU
https://youtu.be/iockbKXaq98



Multiphonic, only the fundamental pitch indicated



Slap/Pizzicato, Ex.: https://youtu.be/WBEqkLlTvWE
https://youtu.be/mjD3d_h7QAk

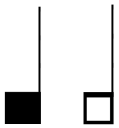
Clarinet in B♭



Glissandi from and to indeterminate notes



Flutter tongue, *Ex.:* https://youtu.be/-UxDY1ejtkE



Multiphonic, only the fundamental pitch indicated

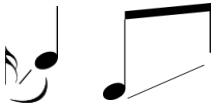


Slap/Pizzicato, Ex.: https://youtu.be/Xt8GPZXBfi8

Violin and Cello



Behind the bridge



Glissandi from and to indeterminate notes



Harsch/Scratch sound, this effect is produced by playing the violin bow with very hard pressure



Hammer-on, sharply bring the finger down on the fingerboard



Left-hand pizzicato

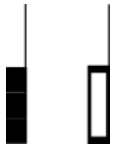


Snap pizzicato, pluck the string vertically



Behind the Bridge + Scratch sound

Piano



Cluster



This effect is produced by playing randomly the notes of the predecessor cluster

Percussionist

Percussion Set

Mallets, *Drumstick* and *Marimba Mallet*



Vibraphone



Deadstroke

Score in C

REDSHIFT

RODRIGO PASCALE
Op.32, 2019



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7
acc.
(♩ = 105)
(♩ = 131)
rall.
flz.
slp tg
multiphonic
h. on lh. pizz
scratch
h. on
lh. pizz
bh. br.
non-scratch → scratch
harsh
deadstroke
Ped.


13
♩ = 105
acc.
(♩ = 144)
(♩ = 188)
multiphonic
slp tg
flz.
non-scratch
harm.
non-scratch
scratch
non-scratch
lh. pizz
scratch
non-scratch
harm.
non-scratch
scratch
deadstroke
Ped.
Ped.
Ped.


♩ = 144
rall.
(♩ = 90)
19
ord.
flz.
pp
mp
slp tg
ppp
scratch
non-scratch
mf
8va
loco
marimba mallet
deadstroke
Ped.


acc.
(♩= 135)
(♩= 118)
acc.
25
Ped.


31
♩ = 135
(♩ = 169)
(♩ = 126)
ord.
multiphonic
multiphonic
scratch
non-scratch
pizz.
scratch
non-scratch
scratch
non-scratch
[ppp<p>ppp]
Ped.
Ped.


37
rall.
(♩= 63)
flz.
multiphonic
non-scratch
8va
Ped.
Ped.


43
air snd
multiphonic
scratch
non-scratch
scratch
non-scratch
non-scratch
scratch
drumstick
Ped.
Ped.


acc.
(♩ = 95)
49
multiphonic
flz.
non-scratch
scratch
scratch
non-scratch
3♪:2♪
5♪:4♪
Ped.
Ped.


rall.
(♩= 47)
55
flz.
8va
Ped.


acc.
(♩ = 59)
61
multiphonic
scratch
8va
ppp
mf
p
pp
f
mp
Ped.


67
pp p ppp mp
p ppp p ppp mp
pp ppp p
pp mp ppp p
p mp pp mp
pp mp ppp p
p pp ppp mp
Ped. Ped.


73
slp tg
scratch
deadstroke
Ped.


79
acc.
11♪:8♪
ord.
flz.
p
pp
mp
3♩:2♪
pp
tremolo
ord.
pp
mp
pp
p
3♩:2♪
pp
pp
ppp
3♩:2♪
8va
pp
ppp
pp
ppp
Ped.
Ped.


85
(♩= 118)
clst
marimba mallet
Ped.
Ped.
Ped.


91
(♩ = 177)
rall.
8va
Ped.
Ped.
Ped.


98
(♩= 89)
acc.
15ma
drumstick
deadstroke


(♩= 133)
104
slp tg
pp p ppp< p
mp < mf
mp>p
pp mp
pizz. lh. pizz
mp
p>pp <mp
p>pp
<mp> p
8va
15ma
pp <mp p
ppp <p pp
clst
p <mp
pp
p
ppp< p
mp p
Ped.


110
rall.
(♩= 83)
(8va)
8va
(15ma)
15ma
loco
ord.
pizz.
3♪:2♪
5♪:4♪
f > mp
mf
p > pp
ppp
p
pp
mp
Ped.


116
flz.
acc.
loco
15ma
marimba mallet
deadstroke
Ped.
Ped.


(♩ = 145)
122
rall.
air snd
8va
8va
Ped.


(♩ = 109)
128
deadstroke


134
rall.
(♩ = 68)
slp tg
loco
8va
Ped.
Ped.


140
(♩ = 51)
multiphonic
loco
lh. pizz
lh. pizz
deadstroke
8va
Ped.


acc.
(♩= 71)
145
pp
p<mp
ppp
pp<f
mf
mp
mf
mp<mf
mf
p<mf
f
>mp
pp<mp
ppp
p<f
pizz. lh. pizz
lh. pizz
mf
p
f
8va
loco
mp
mf p
pp mp
p
f pp mf
p mp f pp
mf
p
mp>pp
f
p<mp
mf>pp


(♩= 53)
rall.
(♩= 46)
150
arco
Ped.


rall.
(♩ = 35)
155
multiphonic
tremolo
ord.
tremolo
marimba mallet


160
flz.
scratch
ord.
scratch
non-scratch
8va