Coby L. Kassner

SPAGHETTIFICATION

for orchestra

2025

Full Score

INSTRUMENTATION

Piccolo
2 Flutes
2 Oboes
English Horn
3 Clarinets in B flat
2 Bassoons
1 Contrabassoon

4 French Horns in F
3 Trumpets in C
3 Trombones
Tuba

Timpani
Percussion 1:
    Suspended Cymbal
    Wood Block
Percussion 2:
    Bass Drum
Percussion 3:
    Large Gong
    Glockenspiel
    Xylophone

Harp
Piano

Violin I
Violin II
Viola
Violoncello
Double Bass

NOTES

The rhythm in the wood blocks in mm. 76 should be played approximately, with the goal of imitating the rhythm of a bouncing ball.

Black bars are used to notate clusters for piano in mm. 89 — these should be played using both the white and the black keys. These are notated with the top and bottom pitches approximately, and should be played ad libitum.

A timpani glissando is called for in mm. 113 — here, the timpanist should have all of the drums tuned to the highest note, and starting with the smallest drum, the timpanist should roll while detuning to the lowest note of the drum. Then, the timpanist should switch to the next-smallest drum, and repeat this through the lowest drum. The goal should be to create as smooth and continuous a sound as possible, though there should be jumps in pitch because of the nature of the ranges of the drums. The timing of the glissando need not be exact, as long as the "swoop up" in the strings coincides with the end of the glissando.

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Spaghettification is the name given to the process where objects are are strecthed and compressed into an extremely thin and long shape (like spaghetti) due to extreme gravitational tidal forces. Most famously, this happens when something falls into a black hole.

In 2003, NASA astronomers detected pressure ripples (somewhat analogous to sound waves) caused by a black hole in the Perseus galaxy cluster. The frequency of these ripples was that of a B flat some 57 octaves below middle C. For this reason, the piece begins with the lowest B flat available to the orchestra.

This is a transposed score. The piece lasts for approximately 6.5 minutes

SPAGHETTIFICATION

for orchestra

Coby L. Kassner

Uncanny (♩ = c. 72)

Piccolo
Flute 1
Flute 2
Oboe 1
Oboe 2
English Horn
Clarinet in B♭ 1
Clarinet in B♭ 2
Clarinet in B♭ 3
Bassoon 1
Bassoon 2
Contrabassoon
French Horn in F 1
French Horn in F 2
French Horn in F 3
French Horn in F 4
Trumpet in C 1
Trumpet in C 2
Trumpet in C 3
Trombone 1
Trombone 2
Trombone 3
Tuba
Timpani
Suspended Cymbal
Bass Drum
Glockenspiel
Harp
Piano
Violin I
Violin II
Viola
Violoncello
Double Bass

10

Picc.
Fl. 1
Fl. 2
Ob. 1
Ob. 2
Eng. Hn
Cl. in B♭ 1
Cl. in B♭ 2
Cl. in B♭ 3
Bsn 1
Bsn 2
Cbsn
F. Hn in F 1
F. Hn in F 2
F. Hn in F 3
F. Hn in F 4
Tpt in C 1
Tpt in C 2
Tpt in C 3
Tbn. 1
Tbn. 2
Tbn. 3
Tba
Timp.
Sus. Cym.
B. Dr.
Glock.
Hp
Pno
Vln I
Vln II
Vla
Vc.
D. B.

14

Picc.
Fl. 1
Fl. 2
Ob. 1
Ob. 2
Eng. Hn
Cl. in B♭ 1
Cl. in B♭ 2
Cl. in B♭ 3
Bsn 1
Bsn 2
Cbsn
F. Hn in F 1
F. Hn in F 2
F. Hn in F 3
F. Hn in F 4
Tpt in C 1
Tpt in C 2
Tpt in C 3
Tbn. 1
Tbn. 2
Tbn. 3
Tba
Timp.
Sus. Cym.
B. Dr.
L. G.
Hp
Pno
Vln I
Vln II
Vla
Vc.
D. B.

sul E

21

Picc.
Fl. 1
Fl. 2
Ob. 1
Ob. 2
Eng. Hn
Cl. in B♭ 1
Cl. in B♭ 2
Cl. in B♭ 3
Bsn 1
Bsn 2
Cbsn
F. Hn in F 1
F. Hn in F 2
F. Hn in F 3
F. Hn in F 4
Tpt in C 1
Tpt in C 2
Tpt in C 3
Tbn. 1
Tbn. 2
Tbn. 3
Tba
Timp.
Sus. Cym.
B. Dr.
L. G.
Hp
Pno
Vln I
Vln II
Vla
Vc.
D. B.

gliss.

L. G.

31

Hp

Vln I Solo

Vc. Solo

D. B. Solo

43

Picc.

Fl. 1

Fl. 2

Ob. 1

Ob. 2

Eng. Hn

Bsn 1

F. Hn in F 1

F. Hn in F 2

Tbn. 1

B. Dr.

Hp

Pno

Solo

Vln I

gli altri

Vln II

Vla

Vc.

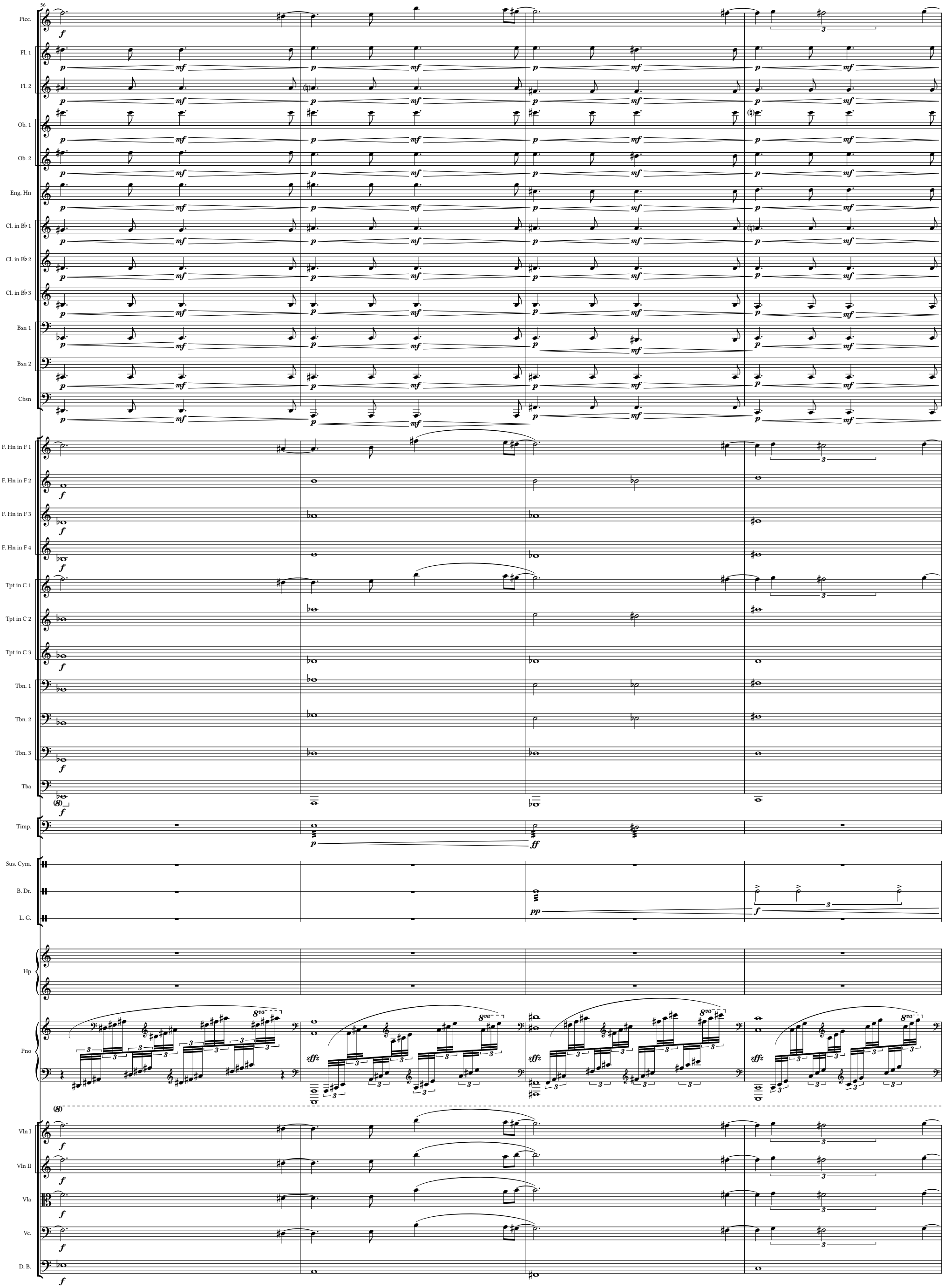
D. B.

52

Picc.
Fl. 1
Fl. 2
Ob. 1
Ob. 2
Eng. Hn
Cl. in B♭ 1
Cl. in B♭ 2
Cl. in B♭ 3
Bsn 1
Bsn 2
Cbsn
F. Hn in F 1
F. Hn in F 2
F. Hn in F 3
F. Hn in F 4
Tpt in C 1
Tpt in C 2
Tpt in C 3
Tbn. 1
Tbn. 2
Tbn. 3
Tba
Timp.
Sus. Cym.
B. Dr.
L. G.
Hp
Pno
Vln I
Vln II
Vla
Vc.
D. B.

arpeggio pattern ad lib.

unis.

gliss.

56
Picc.
Fl. 1
Fl. 2
Ob. 1
Ob. 2
Eng. Hn
Cl. in B♭ 1
Cl. in B♭ 2
Cl. in B♭ 3
Bsn 1
Bsn 2
Cbsn
F. Hn in F 1
F. Hn in F 2
F. Hn in F 3
F. Hn in F 4
Tpt in C 1
Tpt in C 2
Tpt in C 3
Tbn. 1
Tbn. 2
Tbn. 3
Tba
Timp.
Sus. Cym.
B. Dr.
L. G.
Hp
Pno
Vln I
Vln II
Vla
Vc.
D. B.

60

Picc.
Fl. 1
Fl. 2
Ob. 1
Ob. 2
Eng. Hn
Cl. in B♭ 1
Cl. in B♭ 2
Cl. in B♭ 3
Bsn 1
Bsn 2
Cbsn
F. Hn in F 1
F. Hn in F 2
F. Hn in F 3
F. Hn in F 4
Tpt in C 1
Tpt in C 2
Tpt in C 3
Tbn. 1
Tbn. 2
Tbn. 3
Tba
Timp.
Sus. Cym.
B. Dr.
L. G.
Hp
Pno
Vln I
Vln II
Vla
Vc.
D. B.

5/4 4/4 6/4 5/4

mp p mf ff f

3

8va 8ba 15ma

sffz

f possibile

gliss.

64

Picc.
Fl. 1
Fl. 2
Ob. 1
Ob. 2
Eng. Hn
Cl. in B♭ 1
Cl. in B♭ 2
Cl. in B♭ 3
Bsn 1
Bsn 2
Cbsn
F. Hn in F 1
F. Hn in F 2
F. Hn in F 3
F. Hn in F 4
Tpt in C 1
Tpt in C 2
Tpt in C 3
Tbn. 1
Tbn. 2
Tbn. 3
Tba
Timp.
Sus. Cym.
B. Dr.
L. G.
Hp
Pno
Vln I
Vln II
Vla
Vc.
D. B.

molto

f possibile

slap lowest strings

gliss.

15ma bassa

74

Picc.
Fl. 1
Fl. 2
Ob. 1
Ob. 2
Eng. Hn
Cl. in B♭ 1
Cl. in B♭ 2
Cl. in B♭ 3
Bsn 1
Bsn 2
Cbsn
F. Hn in F 1
F. Hn in F 2
F. Hn in F 3
F. Hn in F 4
Tpt in C 1
Tpt in C 2
Tpt in C 3
Tbn. 1
Tbn. 2
Tbn. 3
Tba
Timp.
W. Bl.
B. Dr.
Xyl.
Hp
Pno
Vln I
Vln II
Vla
Vc.
D. B.

W. Bl.
ad lib.
gliss.
pizz.
(15)

80

Picc.
Fl. 1
Fl. 2
Ob. 1
Ob. 2
Eng. Hn
Cl. in B♭ 1
Cl. in B♭ 2
Cl. in B♭ 3
Bsn 1
Bsn 2
Cbsn
F. Hn in F 1
F. Hn in F 2
F. Hn in F 3
F. Hn in F 4
Tpt in C 1
Tpt in C 2
Tpt in C 3
Tbn. 1
Tbn. 2
Tbn. 3
Tba
Timp.
W. Bl.
B. Dr.
Xyl.
Hp
Eb F♯ G♯
Pno
(15)
Vln I
Vln II
Vla
Vc.
D. B.

86

Picc.
Fl. 1
Fl. 2
Ob. 1
Ob. 2
Eng. Hn
Cl. in B♭ 1
Cl. in B♭ 2
Cl. in B♭ 3
Bsn 1
Bsn 2
Cbsn
F. Hn in F 1
F. Hn in F 2
F. Hn in F 3
F. Hn in F 4
Tpt in C 1
Tpt in C 2
Tpt in C 3
Tbn. 1
Tbn. 2
Tbn. 3
Tba
Timp.
W. Bl.
B. Dr.
Xyl.
Hp
Pno
Vln I
Vln II
Vla
Vc.
D. B.

down arpeggio

clusters ad lib.

pizz.

92

Picc.
Fl. 1
Fl. 2
Ob. 1
Ob. 2
Eng. Hn
Cl. in B♭ 1
Cl. in B♭ 2
Cl. in B♭ 3
Bsn 1
Bsn 2
Cbsn
F. Hn in F 1
F. Hn in F 2
F. Hn in F 3
F. Hn in F 4
Tpt in C 1
Tpt in C 2
Tpt in C 3
Tbn. 1
Tbn. 2
Tbn. 3
Tba
Timp.
W. Bl.
B. Dr.
L. G.
Hp
Pno
Vln I
Vln II
Vla
Vc.
D. B.

pizz.
arco
arco

99

Picc.
Fl. 1
Fl. 2
Ob. 1
Ob. 2
Eng. Hn
Cl. in B♭ 1
Cl. in B♭ 2
Cl. in B♭ 3
Bsn 1
Bsn 2
Cbsn
F. Hn in F 1
F. Hn in F 2
F. Hn in F 3
F. Hn in F 4
Tpt in C 1
Tpt in C 2
Tpt in C 3
Tbn. 1
Tbn. 2
Tbn. 3
Tba
Timp.
W. Bl.
B. Dr.
L. G.
Hp
Pno
Vln I
Vln II
Vla
Vc.
D. B.

mf ff sfz f mp più

L. G.

mf > p < mf > p < mf > p < mf > p <

f possibile

15ma bassa

non divisi

106

Picc.
Fl. 1
Fl. 2
Ob. 1
Ob. 2
Eng. Hn
Cl. in B♭ 1
Cl. in B♭ 2
Cl. in B♭ 3
Bsn 1
Bsn 2
Cbsn
F. Hn in F 1
F. Hn in F 2
F. Hn in F 3
F. Hn in F 4
Tpt in C 1
Tpt in C 2
Tpt in C 3
Tbn. 1
Tbn. 2
Tbn. 3
Tba
Timp.
W. Bl.
B. Dr.
L. G.
Hp
Pno
Vln I 1
Vln I 2
Vln II 1
Vln II 2
Vla
Vc.
D. B.

sffz f possibile
sffz ff
ff mp ff p ff
mf p mf p f
p
pp pp
15ma bassa
8va
sub. pp
tune all drums to highest note and sequentially gliss. to approx. lowest note on each while rolling
gliss.
swoop up gliss. at end of note
Glock.