

**Anthony Caulkins**

# **Marble**

*soprano sax, flute, violin, live electronics, and interactive lighting*

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## **Approximate Duration: 8:00**

### **General Performance Notes:**

- Accidentals apply only to the notes they immediately precede, in the register written.
- Measures 1 and 141 are out of time with the duration left to the discretion of the performers.
- The violin cadenza in measure 108 is written to give the general idea of the types of figures and notes to use. Some liberty may be taken with its pitch and rhythmic interpretation. Be sure to enter on measure 111 in time with the other performers.
- Grace notes following a regular note mean to add a “duration-less” note after the original note has been played to its full value.

### **Live Electronics Notes:**

- Each instrumentalist should have a microphone placed in front of them, running into a delay effects processor (Ableton Live's Grain Delay, Filter Delay, and Ping Pong Delay were used for the premiere)
- Each instrumentalist's delay should be based on a subdivision of a 60bpm grid.
- Delays turn on and off as indicated in the score

### **Interactive Lighting Notes:**

- A semicircle of seven DMX controlled LED stage lights are to be set up behind the performers, facing the audience.
- The signals from each of the performers' the microphones should run into a Max patch (as well as to a delay effects processor, as specified above), converting their audio signal to DMX control values. For access to the specific Max patch please contact Anthony Caulkins at [contactanthonycaulkins@gmail.com](mailto:contactanthonycaulkins@gmail.com).
- The interactive lighting is not reflected in the score. However, the lighting patch should remain active for the duration of the piece.

# Marble

Anthony Caulkins

*for soprano sax, flute, violin, live electronics, and live lighting*

blow air through sax without producing pitch,  
fingering Eb in any range (futter ad lib.)

♩ = 60; very expressive

Soprano Sax

Flute

Violin

Granular & Ping Pong Delays

sax delay on

sax delay off

5

S. Sx.

Fl.

Vln.

Delay

sax delay on

sax delay off

# Marble

9

Musical score for measures 9-12. The score includes staves for S. Sax., Fl., Vln., and Delay. The Vln. part starts with a pizzicato (pizz.) instruction and a dynamic of *mp*. It then switches to arco and has dynamics of *pp*, *mf*, and *p* indicated with a hairpin. The Delay part has a dashed line labeled "violin delay on" and another labeled "violin delay off".

13

Musical score for measures 13-16. The score includes staves for S. Sax., Fl., Vln., and Delay. The S. Sax. part has dynamics of *pp* and *mf*. The Fl. part has dynamics of *pp*, *mf*, and *dim.*. The Vln. part has a pizzicato (pizz.) instruction and a dynamic of *p*. The Delay part is empty.

Marble

17

S. Sax. Fl. Vln. Delay

Musical score for measures 17-20. The score includes parts for S. Sax., Fl., Vln., and Delay. Measure 17 starts with a box containing the number 17. S. Sax. and Fl. have long notes with dynamics *pp* and *mp*. Vln. has rests. Delay is indicated for S. Sax. and Fl. in measure 17.

21

S. Sax. Fl. Vln. Delay

Musical score for measures 21-24. The score includes parts for S. Sax., Fl., Vln., and Delay. Measure 21 starts with a box containing the number 21. S. Sax. and Fl. have notes with dynamics *mp* and *pp*. Vln. has rests. Delay is indicated for S. Sax. and Fl. in measures 21-24.

# Marble

25

Musical score for measures 25-28. The score is for four parts: S. Sax., Fl., Vln., and Delay. The S. Sax. and Fl. parts have melodic lines with dynamics *mp* and *pp* in measures 25-26, and *mf* in measure 28. The Vln. part has rests in measures 25-28. The Delay part has annotations: "sax delay on" (measures 25-26), "flute delay on" (measures 26-27), "sax delay off" (measure 28), and "flute delay off" (measure 28). A wedge-shaped graphic is present in the Delay part between measures 27 and 28.

29

Musical score for measures 29-32. The score is for four parts: S. Sax., Fl., Vln., and Delay. The S. Sax. and Fl. parts have melodic lines with dynamics *pp* in measure 29, *mp* and *pp* in measure 30, and *mf* in measure 32. The Vln. part has an *arco* marking and a long melodic line with dynamics *pp*, *mf*, and *pp* across measures 29-32. The Delay part has annotations: "sax delay on" (measures 30-31) and "flute delay on" (measures 31-32).

33

S. Sx.

Fl.

Vln.

Delay

*mp* *pp* *mf* *ppp* *p*

(sax delay) ----- sax delay off

(flute delay) ----- flute delay off

37

S. Sx.

Fl.

Vln.

Delay

norm. → fl. fl. norm.

*mf* *ff* *ff* *f*

norm. → fl. fl. fl.

norm. → scratch scratch norm.

sax delay on ----- sax delay off

flute delay on ----- flute delay off

violin delay on ----- violin delay off

41

(norm.) —————> fl.

S. Sx.

Fl.

Vln.

Delay

norm.

*mf* ————— *ff*

(norm.) —————> scratch

*p* *f*

*p* *f*

norm. pizz. arco

*p* *f*

sax delay on - - - - - sax delay off

flute delay on - - - - - flute delay off

violin delay on - - - - - violin delay off

45

S. Sx.

Fl.

Vln.

Delay

*mf* *mf* *mf* norm.

fl. >

*f* *mp* *f*

pizz. pizz.

*mf* *mf*

Marble

49

S. Sax. Fl. Vln. Delay

Measure 49: S. Sax. (whole note), Fl. (whole note), Vln. (half note, *arco*, *mf*).  
 Measure 50: S. Sax. (whole note), Fl. (whole note), Vln. (whole note, *mf*).  
 Measure 51: S. Sax. (whole note), Fl. (whole note), Vln. (whole note, *f*).  
 Measure 52: S. Sax. (whole note), Fl. (whole note), Vln. (whole note).

53

S. Sax. Fl. Vln. Delay

Measure 53: S. Sax. (half note, *p*), Fl. (half note, *p*), Vln. (half note, *f*).  
 Measure 54: S. Sax. (half note, *f*), Fl. (half note, *p*), Vln. (half note, *pizz.*).  
 Measure 55: S. Sax. (half note, *f*), Fl. (half note, *f*), Vln. (half note, *f*).  
 Measure 56: S. Sax. (half note, *fl.*), Fl. (half note, *fl.*), Vln. (half note, *scratch arco*).

Delay instructions:  
 sax delay on (at start of measure 54)  
 sax delay off (at end of measure 56)  
 flute delay on (at start of measure 54)  
 flute delay off (at end of measure 56)  
 violin delay on (at start of measure 54)  
 violin delay off (at end of measure 56)



65

S. Sx. *p* *f* *f* fl.

Fl. *p* *f* *f* fl.

Vln. *p* *f* *f* scratch

Delay

69

S. Sx. fl. norm. *f* *pp* norm.

Fl. norm. fl. *f* *pp* norm.

Vln. norm. *f* *pp* scratch

Delay sax delay on - - - - -  
flute delay on - - - - -  
violin delay on - - - - -

73

fl.

S. Sx.

mf

norm.

Fl.

p

f

pp

Vln.

scratch

mf

pp

Delay

----- sax delay off

----- flute delay off

----- violin delay off

Detailed description: This system covers measures 73 to 76. The Saxophone (S. Sx.) part starts with a half note G4 (fl.) at measure 73, marked *mf*. The Flute (Fl.) part starts with a half note G4 (norm.) at measure 73, marked *p*. The Violin (Vln.) part starts with a half note G4 (scratch) at measure 73, marked *mf*. All three parts have long slurs extending through measures 74 and 75. In measure 74, the Flute part has a triplet of eighth notes (G4, A4, B4) marked *f*. In measure 75, the Saxophone part has a half note G4 marked *f*. In measure 76, all three parts have a half rest, marked *pp*. A 'Delay' section at the bottom shows dashed lines for 'sax delay off', 'flute delay off', and 'violin delay off'.

77

fl.

S. Sx.

mf

norm.

Fl.

mf

norm. → fl.

scratch

Vln.

mf

p

f

pizz. norm.

f

arco

f

p

p

pizz.

Delay

sax delay on -----

flute delay on -----

violin delay on -----

Detailed description: This system covers measures 77 to 80. The Saxophone (S. Sx.) part starts with a half note G4 (fl.) at measure 77, marked *mf*. The Flute (Fl.) part starts with a half note G4 (norm.) at measure 77, marked *mf*. The Violin (Vln.) part starts with a half note G4 (scratch) at measure 77, marked *mf*. In measure 78, the Saxophone part has a half note G4 (norm.) marked *f*. The Flute part has a triplet of eighth notes (G4, A4, B4) marked *p*. The Violin part has a half note G4 (pizz. norm.) marked *f*. In measure 79, the Saxophone part has a half note G4 (norm.) marked *mf*. The Flute part has a triplet of eighth notes (G4, A4, B4) marked *f*. The Violin part has a half note G4 (arco) marked *f*. In measure 80, the Saxophone part has a half note G4 (norm.) marked *p*. The Flute part has a half note G4 (pizz.) marked *p*. The Violin part has a half note G4 (pizz.) marked *p*. A 'Delay' section at the bottom shows dashed lines for 'sax delay on', 'flute delay on', and 'violin delay on'.

81

S. Sx.

Fl.

Vln.

Delay

arco

pp

mp

cresc.

sax delay off

flute delay off

violin delay off

85

S. Sx.

Fl.

Vln.

Delay

fl.

norm.

(cresc.)

ff

fp

ff

ff

f

fl.

norm.

norm.

norm.

scratch

ff

ff

ff

f

sax delay on

flute delay on

violin delay on

89

S. Sax. Fl. Vln. Delay

sax delay off  
flute delay off  
violin delay off

norm. fl.

*f* *fff*

*f* *fff*

*f* *fff*

Piu Mosso; ♩ = 80

S. Sax. Fl. Vln. Delay

sax delay on  
flute delay on  
violin delay on

*ff* *f*

*ff* *f*

*ff* *f*

scratch

3 3

Marble

97

S. Sx.

Fl.

Vln.

Delay

Musical score for measures 97-100. The score is for four staves: S. Sx., Fl., Vln., and Delay. The key signature has two flats (Bb and Eb). The time signature is 4/4. The S. Sx. staff has a melodic line with slurs and accents. The Fl. staff has a melodic line with slurs and accents. The Vln. staff has a melodic line with slurs and accents, including a triplet in measure 99. The Delay staff is empty. The instruction *cresc. poco a poco* is written below the Fl. and Vln. staves.

101

S. Sx.

Fl.

Vln.

Delay

Musical score for measures 101-104. The score is for four staves: S. Sx., Fl., Vln., and Delay. The key signature has two flats (Bb and Eb). The time signature is 4/4. The S. Sx. staff has a melodic line with slurs and accents, including a *fl.* marking. The Fl. staff has a melodic line with slurs and accents, including a *fl.* marking. The Vln. staff has a melodic line with slurs and accents, including *ricochet* markings and triplets. The Delay staff is empty. The instruction *(cresc. poco a poco)* is written below the S. Sx., Fl., and Vln. staves.

Marble

105

S. Sx. *(cresc. poco a poco)* *fff possible* norm.

Fl. *(cresc. poco a poco)* *fff possible* norm.

Vln. scratch *(cresc. poco a poco)* *fff possible* norm. (cadenza)

Delay

109

S. Sx.

Fl.

Vln.

Delay

Marble

113

fl.

S. Sx.

Fl.

Vln.

Delay

117

S. Sx.

Fl.

Vln.

Delay

*wait for delay to stop*

*wait for delay to stop*

*wait for delay to stop*

**♩ = 60; very expressive**

sax delay off  
flute delay off  
violin delay off

121

S. Sx. *norm.*  
*pp* *mf* *p*

Fl. *pp* *mf* *p*

Vln.

Delay

125

S. Sx. *mp* *pp*

Fl. *pp* *mf* *p*

Vln.

Delay

129

Musical score for measures 129-132. The score is for four parts: S. Sax., Fl., Vln., and Delay. The key signature has one flat (Bb).  
- S. Sax.: Rests in measures 129-131; measure 132 has a half note Bb with dynamics *pp*, *mf*, and *p* indicated by a hairpin.  
- Fl.: Rests in measures 129-131; measure 132 has a half note Bb with dynamics *pp*, *mf*, and *p* indicated by a hairpin.  
- Vln.: Measure 129 has a half note Bb with dynamics *pizz.*, *norm.*, and *mp*. Measures 130-131 have rests. Measure 132 has a half note Bb with dynamics *pp*, *mf*, and *p* indicated by a hairpin, and the instruction *arco* above the staff.  
- Delay: Rests in all measures.

133

Musical score for measures 133-136. The score is for four parts: S. Sax., Fl., Vln., and Delay. The key signature has one flat (Bb).  
- S. Sax.: Rests in measures 133-134; measures 135-136 have a half note Bb with dynamics *pp*, *mf*, and *p* indicated by a hairpin.  
- Fl.: Rests in measures 133-134; measures 135-136 have a half note Bb with dynamics *pp*, *mf*, and *p* indicated by a hairpin.  
- Vln.: Rests in measures 133-134; measures 135-136 have a half note Bb with dynamics *pp*, *mf*, and *p* indicated by a hairpin.  
- Delay: Rests in all measures.

Marble

137

S. Sax. *p*

Fl. *p*

Vln. *p*

Delay

sax delay-on -  
flute delay-on -  
violin delay-on -

blow air through sax without producing pitch,  
fingering Eb in any range (futter ad lib.)

blow air through flute without producing pitch,  
fingering Ab in any range (futter ad lib.)

non pitched brushes and scratches with bow