

Arturo Fuentes

Liquid Crystals

string quartet
(2011)

LIQUID CRYSTALS is dedicated to Quatuor Diotima

premiered at SCENE NATIONALE 61
Forum de Flers, Flers, France
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INDICATIONS duration: c.a. 10 min.

Dynamics in the piece: *n* (*niente*), *ppp*, *pp*, *p*, *mp*, *mf*, *f*, *ff*


Quarter-tones order: ♭ ♮ (♯) ♯ ♯ ♯

- st.** sul tasto
- sp.** sul ponticello
- ord.** ordinario

T#P : "whipping" effect, moving the bow horizontally, *tasto* to *pont.*

 All harmonics in the piece are natural (squared-romboid notes).
Touch slightly the string producing an harmonic sound.

sp. molto Play very near of the bridge, the real sound is almost lost, we can hear like an air-noise sound.

 With the bow, play the strings from IV to I

sp. → **ord.** Gradually from *sul ponticello* to *ordinario*

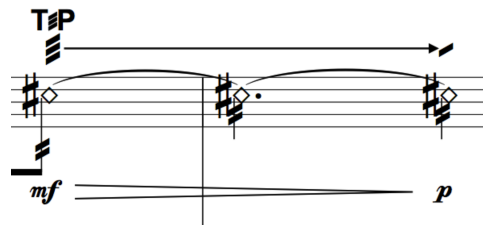
Strings marked as : I, II, III, IV



Circular bowing



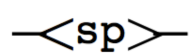
Repeat the same pattern



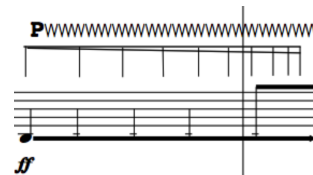
Whipping, rallentando



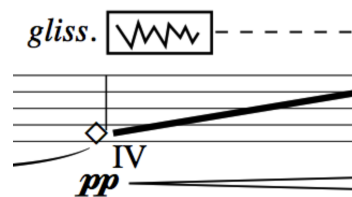
Press the bow: dry sound

 **<sp>**

Going fast to sul ponticello, coming back to ordinario



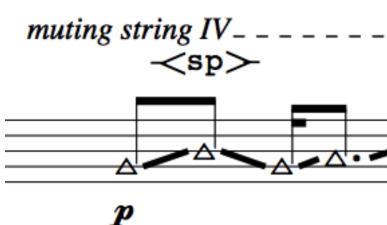
Press the bow, from short clicks to continue sound



Indeterminate glissando (up and down on the string)



Highest possible, near ponticello



Left hand muting the strings

Liquid Crystals

27

ord → sp

legato

ord

ord → sp

5 5 5 5 5 5

mf p p mp pp

sp → ord

ord

ord → sp

5 5 5 5 5 5

p mf p mp pp

ord

ord → sp

5 5 5 5 5 5

p mf pp mp ppp

ord

ord → sp

5 5 5 5 5 5

p mf pp mp ppp

29

ord → sp

legato

ord

ord → sp

5 5 5 5 5 5 5 5 5 5

f pp mp pp

ord

ord → sp

5 5 5 5 5 5 5 5 5 5

f pp

sp → ord

ord

sp → ord

7 7 7 7

mf p mf pp

sp → ord

ord

sp → ord

ppp mp p mf p

31

sp

ord

ord → sp

5 5 5 5 5 5 5 5 5 5

pp mf pp f

sp

ord

ord → sp

5 5 5 5 5 5 5 5 5 5

pp mf pp

sp → ord

ord

sp → ord

7 7 7 7

mp pp f mp p ppp

sp

ord

ord → sp

5 5 5 5 5 5 5 5 5 5

pp p mf p

Liquid Crystals

39

vi. I

vi. II

vla.

cell.

42

vi. I

vi. II

vla.

cell.

44

vi. I

vi. II

vla.

cell.

D

10

Liquid Crystals

47

vl. I

vl. II

vla.

cell.

50

vl. I

vl. II

vla.

cell.

53

vl. I

vl. II

vla.

cell.

Liquid Crystals

65 ord

legato 10 10 10 10

vi. I *p* *p* *mf* *pp* T#P

vi. II *p* *p* *mf* *pp* T#P

vla. ord <sp> <sp> <sp> 10 10 T#P
p <mp> <mf> <f> *p* *mf* *pp*

cell. ord <sp> <sp> <sp> 5 5 10 T#P
p <mp> <mf> <f> *p* *mf* *pp*

F T#P *rallentando TP*

68 ord → sp

vi. I *pp* *mp* *pp* *mf* *pp* *mp*

vi. II *pp* *mp* *pp* *mf* *pp* *mp*

vla. *pp* *mp* *pp* *mf* *pp* *mp*

cell. *pp* *mp* *pp* *mf* *pp* *mp*

T#P *rallentando TP*

71 ord → sp

vi. I *f* *pp* *mp* *pp* *mp*

vi. II *f* *pp* *mp*

vla. *f* *pp* *mp*

cell. *f* *pp* *mp*

Liquid Crystals

75 *rall.* *sp* *ord* *Q* *accel.*

75 *rall.* *sp* *ord* *sp* *ord* *Q* *accel.*

75 *rall.* *sp* *ord* *Q*

75 *rall.* *sp* *ord* *Q*

vi. I *mp* *pp* *pp* *mf*

vi. II *mp* *pp* *pp* *mf*

vla. *mp* *pp* *pp* *mf*

cell. *mp* *pp* *pp* *mf*

78 *T_♯P* *sp* *trem. ord.* *8va*

78 *T_♯P* *sp* *trem. ord.* *8va*

78 *Q* *sp* *trem. ord.* *8va*

78 *Q* *trem. ord.* *sp* *8va*

vi. I *pp* *mf* *f* *p*

vi. II *pp* *mf* *f* *p*

vla. *pp* *mf* *f* *p*

cell. *pp* *mf* *f* *p*

81 *sp* *8va* *trem. ord.* *(ord)*

81 *sp* *8va* *trem. ord.* *(ord)*

81 *sp* *8va* *trem. ord.* *(ord)*

81 *sp* *8va* *trem. ord.* *(ord)*

vi. I *f* *mp* *p* *f* *p*

vi. II *f* *mp* *p* *f* *p*

vla. *f* *mp* *p* *f* *p*

cell. *f* *mp* *p* *f* *p*

Liquid Crystals

118

vi. I *P* → *sp* → *P* *f* → *pp* → *f* *tr.*

vi. II *1/2 legno* *mp* *1/2 legno* *pp* → *mp* *T♯P* *ppp* → *pp*

vla. *mp* → *pp* *batt.* *sp* → *pp* *batt.* *ord* → *sp* *pp* → *mp* *sp* *pp* → *mp*

cell. *mf* *ppp* → *mp* *legno batt.* *mf* → *pp* *sp* *ppp* *legno batt.* *mf* → *pp*

122

vi. I *P* → *sp* *P* → *sp* *f* → *pp* *f* → *pp* *ord* *mp* → *ppp* *ord* → *sp*

vi. II *mp* *ord* *ppp* *T♯P* *pp* → *mp* → *pp* *mp* → *pp* *T♯P* *pp*

vla. *ord* *T♯P* *ppp* *ord* → *sp* → *ord* *pp* → *mp* → *ppp* *mp* *sp* *pp*

cell. *ppp* → *p* *legno batt.* *mf* → *pp* *sp* *ppp* → *p* *legno batt.* *mf* → *p*

124

vi. I *ord* *ppp* *sp* → *P* → *sp* *ppp* → *f* → *ppp* *ord T♯P* *pp* → *mp* → *pp*

vi. II *ord* *ppp* → *mp* → *pp* *P* → *ord* *ff* → *p* → *ppp* *sp* → *P* → *sp* *ppp* → *f* → *ppp* *pp* → *mp* → *pp* *3* *pp*

vla. *ppp* → *mp* *sp* → *ord* → *sp* *p* → *ppp* → *p* → *ppp* *ord* → *sp* *ppp* → *mp* → *ppp* *ord* → *sp* *ppp* → *mp* → *ppp*

cell. *batt.* *mf* → *pp* *P* *ff* → *p* → *mp* *jeté* *mf* → *p* *batt.* *mf* → *pp* *ord* *p* *batt.* *mf* → *pp*

Liquid Crystals

141

vi. I

vi. II

vla.

cell.

p *mf* *mf* *p* *mf*

ppp *p* *mf* *pp*

pp *pp* *mf*

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

sp *sp* *sp* *gliss.* *high p.*

rall. trill *sp* *3* *3* *jeté*

ord *6* *6* *3* *ord* *sp* *high p.* *jeté*

ord *6* *6* *6* *8^{va}* *sp* *sp* *sp* *sp*

143

vi. I

vi. II

vla.

cell.

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

p *mf* *mf* *p* *mf* *p* *mf* *p* *ff* *mf* *p*

mf *p* *mf* *ppp* *mf* *p*

mp *mp* *mp* *mp* *mp* *mp* *mf* *mf* *mf* *mf*

ord *gliss.* *high p.* *gliss.* *high p.* *harm. high poss. (I, II, III strings)* *ord*

ord *jeté* *sp* *ord* *gliss.* *high p.* *gliss.* *high p.* *ord* *3* *6* *6* *6* *jeté*

ord *jeté* *ord* *6* *6* *6* *6* *jeté*

8^{va} *sp* *sp* *sp* *sp* *sp* *sp* *sp* *sp* *sp* *sp* *sp* *sp*

146

vi. I

vi. II

vla.

cell.

p *mf* *p* *mf* *p*

mf *mp* *pp* *mf* *pp*

p *mf* *p* *pp* *mf* *p* *mf*

mf *mf* *p* *pp* *mf* *p*

mp *mp* *mp* *mf* *mf* *mf* *mf*

ord *sp* *ord* *sp* *ord* *sp* *ord* *sp* *ord* *sp* *ord* *sp* *ord* *sp*

ord *sp* *ord* *sp* *ord* *sp* *ord* *sp* *ord* *sp* *ord* *sp* *ord* *sp*

ord *sp* *ord* *sp* *ord* *sp* *ord* *sp* *ord* *sp* *ord* *sp* *ord* *sp*

ord *sp* *ord* *sp* *ord* *sp* *ord* *sp* *ord* *sp* *ord* *sp* *ord* *sp*

ord *3* *6* *6* *6* *ord* *sp*

ord *6* *6* *ord* *sp*

ord *sp* *ord* *sp* *ord* *sp* *ord* *sp* *ord* *sp* *ord* *sp* *ord* *sp*

ord *5* *5* *5* *ord* *sp*

ord *pp* *mf* *p* *mf*

ord *pp* *mf*

Liquid Crystals

158

sp → ord

tr

IV

p < *f* > *p*

f < *p* >

ord

tr

IV

f < *p* >

ord

158

<sp>

<sp>

p < *mf* >

< *mf* >

ff

ff < *mp* >

ord

158

<sp>

<sp>

p < *mf* >

< *mf* >

mf

f

158

<sp>

<sp>

p < *mf* >

< *mf* >

p < *f* > *p*

f < *p* >

jeté

tr

161

jeté

sp → ord

<sp>

p < *mf* > *p*

mf > *p*

p < *mf* > *p*

high p.

161

muting string IV

<sp>

<sp>

<sp>

mp < *pp* >

p

161

7

high p.

f < *p* >

mf > *p*

ff

ff

ord

detaché

p < *mp* >

pp

161

sp → ord

tr

<sp>

sp → ord

high p.

p < *mf* > *p*

mf < *p* >

mf < *p* >

mf < *p* >

164

tr

p

f

p

164

muting string IV

<sp>

<sp>

p

ff < *f* >

ff < *f* >

ff < *f* >

p

164

muting string IV

<sp>

<sp>

p

ff < *f* >

ff < *f* >

f < *p* >

164

p

f

p

Liquid Crystals

167

sp → ord

tr

< sp >

muting string IV

muting string I

muting string II

high p.

muting string IV

vl. I

vl. II

vla.

cell.

170

< sp >

< sp >

< sp >

P → ord

7

7

vl. I

vl. II

vla.

cell.

173

6

3

muting string IV

< sp >

< sp >

P

continue for 20 seconds, more rallentando...

jeté

jeté

ord

ord

ord

ord

muting string IV

< sp >

< sp >

P

continue for 20 seconds, more rallentando...

vl. I

vl. II

vla.

cell.