

*numbers #1 “post-truth”*

for tenor saxophone and recursive mp3 compression  
(+ optional video)

**Alberto Bernal**

## PERFORMANCES NOTES

The tape part is made of recursive mp3 compressions of the same note previously played by the saxophone. The numbers over the tape notes indicate the number of mp3 recursion. The timbre of the tape will thus evolve from practically the same timbre in the first recursions, to lightly distorted (ca. 80) and to heavily distorted (ca. 200); from 200 on, the sound evolves from a noisy character to a point where it is possible to hear a kind of random pitches (650). In the final part (T), the tape undertakes a downsampling of the live saxophone, i. e. a progressive reduction of the number of samples of the digital signal, which will produce a digital distortion of the sound until it is reduced to a couple of samples and finally to zero; here the numbers indicate a factor of the original amount of signal (samples).

### SPECIAL SYMBOLS AND INDICATIONS



microintervallic deviation indicated in cents

b. 67 and following

the tape starts to overlap layers of recursions parallel to its progressive unphasing



slap



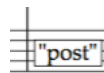
noteless beams indicate undeterminate pitches. noteheads indicate precise pitches. the kind of timbre is indicated by a notehead above the staff, whereas:



air sound



air sounds



spoken words



trumpet embouchure: the sound should imitate the sound of the tape

b. 142 to 170

the tape reaches the highest recursion (700) and within this level its content is gradually modified from the initial note E to the word "post"



between air sound and trumpet embouchure: the sound should imitate the sound of the tape

The piece should be played with clicktrack.

# numbers #1 "post-truth"

for tenor saxophone and recursive mp3 compression

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**A** ♩ = 150

tape

ten. sax.

*f*

3

tape

ten. sax.

*ff* *mf*

6

tape

ten. sax.

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

12

tape

ten. sax.

*mf* *poco f*

19

**B**

tape

ten. sax.

*ff*

22  
tape  
ten. sax.

26 26 26 26 26 26 | 27 27 27 27 27 27 27 27 27 27 27 27 27 27 27 27 27 27 28

*f*

25  
tape  
ten. sax.

29 30 | 31

*ff* *mf*

27  
tape  
ten. sax.

32 32 32 32 32 32 32 32 32 32 32 32 | 33 34 35 36 37 | 38 38 38

*f* *ff* *mf*

30  
tape  
ten. sax.

39 40 41 42 | 43 43 44 45 46 | 44 45 46 47 | 45 46 47 48 | 46 47 48

*ff* *mf* *ff*

36 [C]  
tape  
ten. sax.

49 49 49 49 49 | 50 50 50 50 | 51 51 51 | 52 52 52 52 52 52 52 52 52 52 52 52 52 52 52 52 52 52

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

40  $\text{♩} = 150 \text{ rit.}$

tape

ten. sax.

*ff*

42 **D**  $\rightarrow \text{♩} = 115$

tape

ten. sax.

*f* *ff* *mf*

46 **F**  $\text{♩} = 115$   $\text{♩} = 110$   $\text{♩} = 105$   $\text{♩} = 100$   $\text{♩} = 95$

tape

ten. sax.

*f* *poco f* *mf*

51  $\text{♩} = 90$   $\text{♩} = 85$   $\text{♩} = 80$   $\text{♩} = 75$  **G**  $\text{♩} = 70$   $\text{♩} = 75$   $\text{♩} = 80 \text{ poco accel.}$   $\text{♩} = 70$   $\text{♩} = 65$

tape

ten. sax.

*f* *mf* *mp* *mf* *mp* *mf*

60  $\text{♩} = 60$  **poco accel.**  $\text{♩} = 65$  **H**  $\text{♩} = 110 \text{ poco rit.}$   $\rightarrow \text{♩} = 90$  **I**

tape

ten. sax.

*mf* *poco f* *mp* *f*

63-111 49x

$\frac{2}{4}$

$\frac{2}{4}$

65  $\text{♩} = 120$  85 86 87 87-88 87-88 89-90 90-91 90-92 90-93 94-95 96-97

tape

ten. sax.

*mf* *poco f* *f* *ff* *p* *p*

71 97-98 97-99  $\text{♩} = 116$  100-102 100-102 100-102  $\text{♩} = 112$  101-105 101-105  $\text{♩} = 108$  106-109 106-110 106-110 106-110

tape

ten. sax.

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

75  $\text{♩} = 104$  111-112 111-113 111-114 111-115 111-115  $\text{♩} = 100$  112-113 112-114 112-115 112-116 112-116 112-116

tape

ten. sax.

*mf* *poco f*

77  $\text{J}$   $\text{♩} = 96$  117-119 120-123 124-129  $\text{♩} = 92$  130-132 131-134 132-136 132-136 132-136 132-136

tape

ten. sax.

*pp* *f*

79  $\text{♩} = 88$  137-138 138-141 139-144 140-146 140-146 140-146 140-146

tape

ten. sax.

*ff*

80  $\text{♩} = 84$  147→151 152→157 158→164 159→165  $\text{♩} = 80$  166→168 167→170 168→172 169→174 170→176 171→178 172→180 173→181 174→182  $\text{♩} = 74$  165→183

tape

ten. sax.

83 **K**  $\text{♩} = 68$  184→187 188→192 193→197 198→201 202→205 206→210 211→215 216→220 216→221 218→222

tape

ten. sax.

*mf*

84  $\text{♩} = 60 \text{ rit.}$  220→346 18x **L**  $\text{♩} = 50$   $\text{♩} = 60$  351 356 361 366 371 377

tape

ten. sax.

*f* *fff* *f*

remove mouthpiece

101 381 385 389 392 395 **M** 397 399 401 406

tape

ten. sax.

118 414 422 430 440 450

tape

ten. sax.

127 **N**

tape

500 550 600

ten. sax.

*[f] cresc.*

134

tape

625 650 675 700 **O** 700(E)

ten. sax.

*[ff]*

144

tape

ten. sax.

150

tape

ten. sax.

158

tape

700("post") 490("post") 404(sim.)

ten. sax.

*[ff] decresc.*



167 372 360 351

tape

ten. sax.

176 345 301 287 150

tape

ten. sax.

mouthpiece

**P**

*f*

*f*

186 86 10 5 5 150 3 3

tape

ten. sax.

"post"

*[ff]*

*f*

*f*

*sffz*

*[ff]*

204 336 287 499 8 8

tape

ten. sax.

**Q**

"post"

*[ff]*

*sffz*

218 8 404 8 8 8

tape

ten. sax.

"post"

*f*

*[ff]*

*f*

*f*

*f*

→ ♩ = 49

233 **R**  $\text{♩} = 44$

tape: "post" (8 measures)

ten. sax.: *f* "truth" (8 measures)

247 **S**  $\text{♩} = 75$

tape: applause, "post" (8 measures), *fff*

ten. sax.: "truth" (8 measures)

1 **T**

tape: 1, 0.99, 0.98, 0.97, 0.96, 0.95, 0.93, 0.91, 0.90, 0.88, 0.86

ten. sax.: *sempre ff*

12 **U**

tape: 0.84, 0.79, 0.77, 0.75, 0.71, 0.68, 0.63, 0.58, 0.52, 0.47, 0.41

ten. sax.

23 0.32 0.31 0.30 0.29 0.28 0.27 0.264 0.262 0.256 **V** 0.250

tape

ten. sax.

Eb  
 B  
 C  
 C  
 C  
 C  
 C  
 C  
 C  
 C

33 0.243 0.238 0.232 0.227 0.222 0.196 0.181 0.179 0.158

tape

ten. sax.

C  
 C  
 C  
 C  
 C  
 C  
 C  
 C  
 C

42 **W** = 75 rit. = 70 segue rit.

0.147 0.133 0.111 0.0833 0.0588 0.0416 0.0333 0.0285 0.0250 0.0200

tape

ten. sax.

Bb  
 Bb  
 Eb  
 C  
 Bb  
 C  
 C  
 C  
 C  
 C

52

0.0169    0.0142    0.0125    0.0108    0.0101    0.00833    0.00554    0.00451    0.00363

**X**

♩ = 60 segue rit.

tape

ten. sax.

1    C    C    C    G    C    C    C    Tr C#

61

0.00250    0.00117    0.00035    0.00025    0.00017    0.000046    0.000015    0.000007

**Y**

♩ = 50 segue rit.    ♩ = 40 segue rit.

tape

ten. sax.

1    G+    C G+    G    G    G    G    2

69

0.000002    0.000001    0.0000001    0.00000000    0.00000000    0.00000000    0.00000000    0.00000000    0.00000000

**Z**

♩ = 30 segue rit.    ♩ = 20 segue rit.    ♩ = 15

tape

ten. sax.

G    G    G    G    G    G    G    G    G