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Leiden  
The Netherlands

**Laborinth II : denken als experiment : 472 'meditaties' over de noodzaak van het creatief denken en experimenteren in het uitvoeren van complexe muziek van 1962 tot heden**

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**Author:** Deforce, Arne

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**Date:** 2012-11-14

# De beeldstructuur van complexiteit

Over het visuele beeld als percept en affect van het muzikale 'laborinth'

Een beeldessay

ΝΌΜΌΣ Α

ἀφιερώνεται στους Ἀριστοτέλιο Ταραντίνο  
Εὐάριστο Γκαλουδά και Φέλιξ Κλαίβ

Handwritten musical score for cello solo, titled "NOMOS ALPHA". The score includes various performance instructions and dynamics such as *ppp*, *mf*, *f*, *f.c.l.*, *pizz*, *arco*, *a.sul.p.*, *a.sul pont.*, and *f.c.l.*. The score is written in a cello clef with a key signature of one sharp (F#). The first staff includes a diamond symbol with a beta symbol and the number 14,13, and a tempo marking *d = 75 M.M.*

Iannis Xenakis  
Nomos Alpha voor cello solo (1966)

I. 3. III.  $\text{♩}$  5.2.  $\text{♩}$  4.4.  $\text{♩}$  3.6 "Adagio maestoso"  $\text{♩}$  3.2. *meno mosso rall.*

**Take bow rapidly**

**Stop**

**Sequence II** (random movements)

**Agitato e rubato**  $\text{♩}$  60% *rit. cantando*

**Return to bowing**

**Annotations:**

- [\*15] Four-part polyphonic scraping (each string one finger) where phrasae are employed, see general introduction.
- [\*16] "Glissando" in parallel on two strings; follow approx. line indicated. Pluck strings in given sequence.
- [\*17] (a) (b) (c) (d) (e) (f) (g) (h) (i) (j) (k) (l) (m) (n) (o) (p) (q) (r) (s) (t) (u) (v) (w) (x) (y) (z) (aa) (ab) (ac) (ad) (ae) (af) (ag) (ah) (ai) (aj) (ak) (al) (am) (an) (ao) (ap) (aq) (ar) (as) (at) (au) (av) (aw) (ax) (ay) (az) (ba) (bb) (bc) (bd) (be) (bf) (bg) (bh) (bi) (bj) (bk) (bl) (bm) (bn) (bo) (bp) (bq) (br) (bs) (bt) (bu) (bv) (bw) (bx) (by) (bz) (ca) (cb) (cc) (cd) (ce) (cf) (cg) (ch) (ci) (cj) (ck) (cl) (cm) (cn) (co) (cp) (cq) (cr) (cs) (ct) (cu) (cv) (cw) (cx) (cy) (cz) (da) (db) (dc) (dd) (de) (df) (dg) (dh) (di) (dj) (dk) (dl) (dm) (dn) (do) (dp) (dq) (dr) (ds) (dt) (du) (dv) (dw) (dx) (dy) (dz) (ea) (eb) (ec) (ed) (ee) (ef) (eg) (eh) (ei) (ej) (ek) (el) (em) (en) (eo) (ep) (eq) (er) (es) (et) (eu) (ev) (ew) (ex) (ey) (ez) (fa) (fb) (fc) (fd) (fe) (ff) (fg) (fh) (fi) (fj) (fk) (fl) (fm) (fn) (fo) (fp) (fq) (fr) (fs) (ft) (fu) (fv) (fw) (fx) (fy) (fz) (ga) (gb) (gc) (gd) (ge) (gf) (gg) (gh) (gi) (gj) (gk) (gl) (gm) (gn) (go) (gp) (gq) (gr) (gs) (gt) (gu) (gv) (gw) (gx) (gy) (gz) (ha) (hb) (hc) (hd) (he) (hf) (hg) (hh) (hi) (hj) (hk) (hl) (hm) (hn) (ho) (hp) (hq) (hr) (hs) (ht) (hu) (hv) (hw) (hx) (hy) (hz) (ia) (ib) (ic) (id) (ie) (if) (ig) (ih) (ii) (ij) (ik) (il) (im) (in) (io) (ip) (iq) (ir) (is) (it) (iu) (iv) (iw) (ix) (iy) (iz) (ja) (jb) (jc) (jd) (je) (jf) (jg) (jh) (ji) (jj) (jk) (jl) (jm) (jn) (jo) (jp) (jq) (jr) (js) (jt) (ju) (jv) (jw) (jx) (jy) (jz) (ka) (kb) (kc) (kd) (ke) (kf) (kg) (kh) (ki) (kj) (kk) (kl) (km) (kn) (ko) (kp) (kq) (kr) (ks) (kt) (ku) (kv) (kw) (kx) (ky) (kz) (la) (lb) (lc) (ld) (le) (lf) (lg) (lh) (li) (lj) (lk) (ll) (lm) (ln) (lo) (lp) (lq) (lr) (ls) (lt) (lu) (lv) (lw) (lx) (ly) (lz) (ma) (mb) (mc) (md) (me) (mf) (mg) (mh) (mi) (mj) (mk) (ml) (mm) (mn) (mo) (mp) (mq) (mr) (ms) (mt) (mu) (mv) (mw) (mx) (my) (mz) (na) (nb) (nc) (nd) (ne) (nf) (ng) (nh) (ni) (nj) (nk) (nl) (nm) (nn) (no) (np) (nq) (nr) (ns) (nt) (nu) (nv) (nw) (nx) (ny) (nz) (oa) (ob) (oc) (od) (oe) (of) (og) (oh) (oi) (oj) (ok) (ol) (om) (on) (oo) (op) (oq) (or) (os) (ot) (ou) (ov) (ow) (ox) (oy) (oz) (pa) (pb) (pc) (pd) (pe) (pf) (pg) (ph) (pi) (pj) (pk) (pl) (pm) (pn) (po) (pp) (pq) (pr) (ps) (pt) (pu) (pv) (pw) (px) (py) (pz) (qa) (qb) (qc) (qd) (qe) (qf) (qg) (qh) (qi) (qj) (qk) (ql) (qm) (qn) (qo) (qp) (qq) (qr) (qs) (qt) (qu) (qv) (qw) (qx) (qy) (qz) (ra) (rb) (rc) (rd) (re) (rf) (rg) (rh) (ri) (rj) (rk) (rl) (rm) (rn) (ro) (rp) (rq) (rr) (rs) (rt) (ru) (rv) (rw) (rx) (ry) (rz) (sa) (sb) (sc) (sd) (se) (sf) (sg) (sh) (si) (sj) (sk) (sl) (sm) (sn) (so) (sp) (sq) (sr) (ss) (st) (su) (sv) (sw) (sx) (sy) (sz) (ta) (tb) (tc) (td) (te) (tf) (tg) (th) (ti) (tj) (tk) (tl) (tm) (tn) (to) (tp) (tq) (tr) (ts) (tt) (tu) (tv) (tw) (tx) (ty) (tz) (ua) (ub) (uc) (ud) (ue) (uf) (ug) (uh) (ui) (uj) (uk) (ul) (um) (un) (uo) (up) (uq) (ur) (us) (ut) (uu) (uv) (uw) (ux) (uy) (uz) (va) (vb) (vc) (vd) (ve) (vf) (vg) (vh) (vi) (vj) (vk) (vl) (vm) (vn) (vo) (vp) (vq) (vr) (vs) (vt) (vu) (vv) (vw) (vx) (vy) (vz) (wa) (wb) (wc) (wd) (we) (wf) (wg) (wh) (wi) (wj) (wk) (wl) (wm) (wn) (wo) (wp) (wq) (wr) (ws) (wt) (wu) (wv) (ww) (wx) (wy) (wz) (xa) (xb) (xc) (xd) (xe) (xf) (xg) (xh) (xi) (xj) (xk) (xl) (xm) (xn) (xo) (xp) (xq) (xr) (xs) (xt) (xu) (xv) (xw) (xx) (xy) (xz) (ya) (yb) (yc) (yd) (ye) (yf) (yg) (yh) (yi) (yj) (yk) (yl) (ym) (yn) (yo) (yp) (yq) (yr) (ys) (yt) (yu) (yv) (yw) (yx) (yy) (yz) (za) (zb) (zc) (zd) (ze) (zf) (zg) (zh) (zi) (zj) (zk) (zl) (zm) (zn) (zo) (zp) (zq) (zr) (zs) (zt) (zu) (zv) (zw) (zx) (zy) (zz)

Brian Ferneyhough  
Time and Motion Study II (TMS2) (1973-76) voor cello en live-electronica





Plus lent *and.*  $\downarrow 246MM$  Slower approximately  $\downarrow 246MM$

*etc. simile*  
 Toujours au talon →  
 mesures 62-78: all notes  
 (↓) *downbow at the frog*

65

70

← all downbow at frog until here  
 ← (au talon)

Iannis Xenakis  
 Kottos voor cello solo (1977)

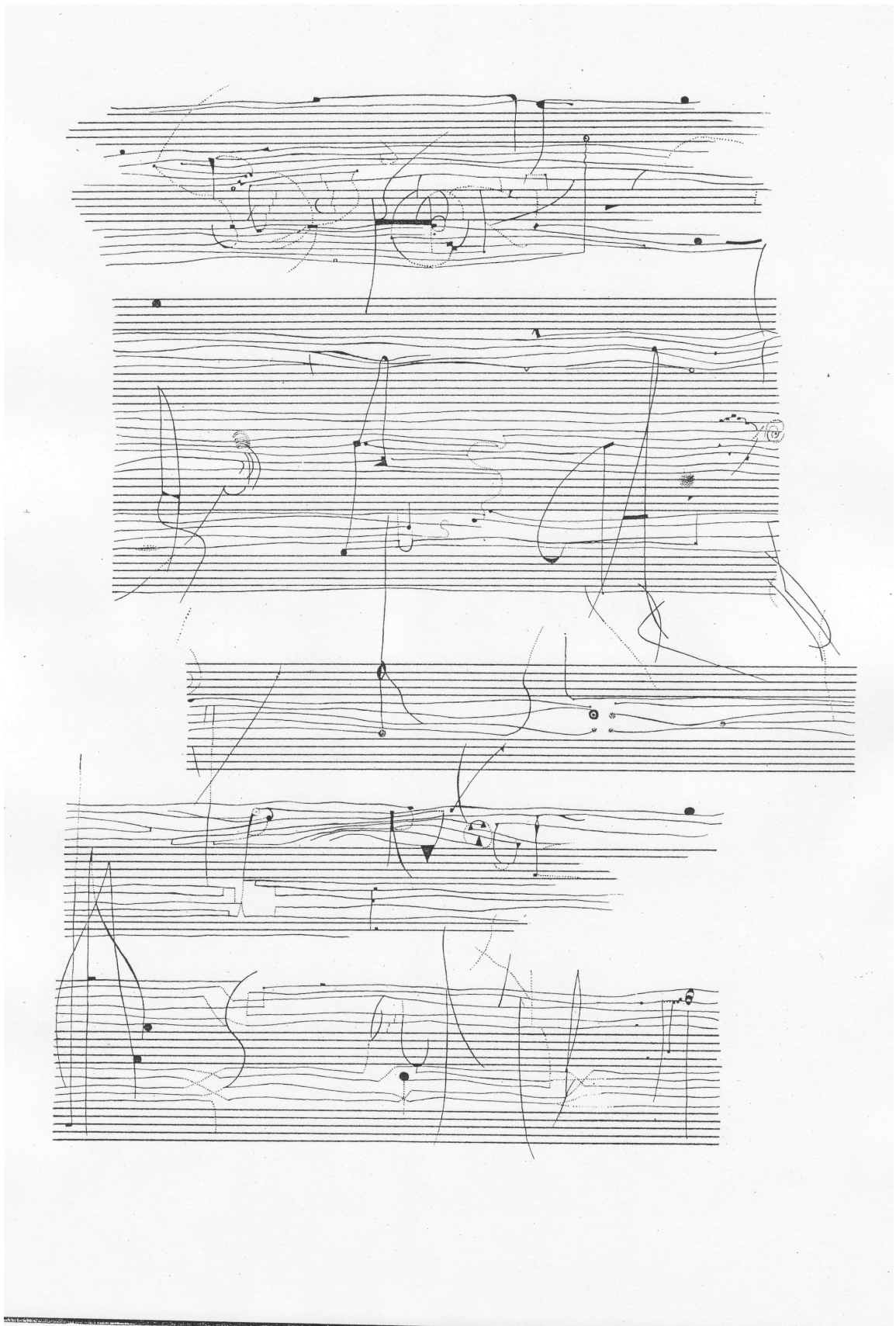
This page contains five systems of handwritten musical notation for cello and live-electronica. The notation is highly detailed, including various musical symbols, dynamics, and performance instructions. The systems are numbered 42, 46, 50, 52, and 56. Each system includes a cello staff and a corresponding electronic staff. The notation is characterized by complex rhythmic patterns, often with multiple time signatures and bar lines. Dynamics range from *mf* to *f*. Performance instructions include *msp*, *psp*, *arco*, *nat*, and *mst*. There are also numerous handwritten annotations and markings throughout the score.

Richard Barrett  
Blattwerk voor cello en live-electronica (2002)

The musical score is written for a cello solo and consists of seven staves. The notation includes various performance techniques and dynamic markings:

- Staff 1:** Features dynamic markings such as  $f > pp$ ,  $f > p$ ,  $ff$ ,  $ff$ ,  $ff$ ,  $ff$ ,  $p < ff$ ,  $pp$ ,  $ppp < ff$ ,  $f$ , and  $pp$ . Performance instructions include *ST*, *pizz.*, *(0) (damp with nail)*, *CL (+hair)*, *vib.*, and *CL (+hair)*.
- Staff 2:** Includes dynamic markings like  $ff > pp > ppp$ ,  $p$ ,  $pp$ ,  $ppp$ ,  $ppp < ff$ ,  $ppp$ ,  $ff$ ,  $pp > ppp < p$ ,  $f$ ,  $p$ , and  $mf < pp$ . Instructions include *ST*, *vib.*, *pizz. (snap)*, and *pizz. (dry)*.
- Staff 3:** Shows dynamics such as  $ff$ ,  $mf$ ,  $p$ ,  $ff < ff$ ,  $f$ ,  $mp$ ,  $mf$ ,  $f > ppp$ ,  $ppp$ ,  $p$ ,  $pp$ , and  $ppp < p$ . Instructions include *CL (+hair)*, *ST*, *spicc.*, *CL (wood)*, and *ST*.
- Staff 4:** Contains dynamics like  $mp$ ,  $pp$ ,  $f$ ,  $mp$ ,  $ff$ ,  $mf > pp$ ,  $p$ ,  $pp < p$ ,  $ppp$ ,  $mf$ ,  $ff$ ,  $mf$ ,  $mp$ ,  $f$ , and  $mf > p$ . Instructions include *CL (+hair)*, *spicc.*, *(ST)*, *CL (+hair)*, *CL (+hair)*, *vib.*, and *ST*.
- Staff 5:** Features dynamics such as  $mf$ ,  $mp > ppp$ ,  $ppp$ ,  $mf$ ,  $ff$ ,  $ff$ ,  $p$ ,  $f > ppp$ ,  $f$ ,  $ppp$ ,  $f$ ,  $ppp$ ,  $f > mf$ ,  $ff < mf$ , and  $ppp$ . Instructions include *spicc.* and *(0)*.
- Staff 6:** Includes dynamics like  $ppp < ff > pp$ ,  $f$ ,  $ppp$ ,  $pp$ ,  $ppp$ ,  $ppp$ ,  $ppp > p$ ,  $mf > pp$ ,  $ff < ff$ ,  $ff$ ,  $p < mf$ ,  $ff < mf$ ,  $f$ ,  $p$ ,  $mf < pp$ ,  $ppp$ , and  $ff$ . Instructions include *CL (+hair)* and *ST*.

John Cage  
Etudes Boreales voor cello solo (1978)



Sylvano Bussott

