APO33 présente CHAOSLAB

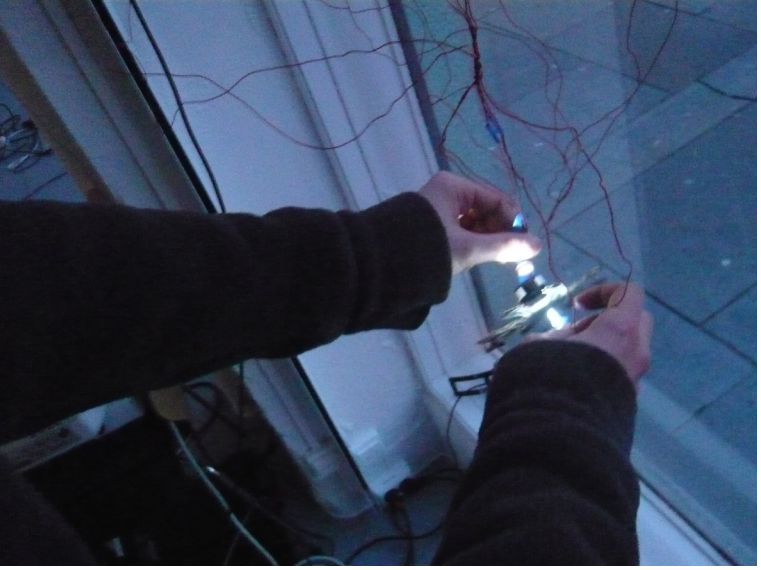
WORKSHOP/ INSTALLATION ARTISTIQUE ALÉATOIRE

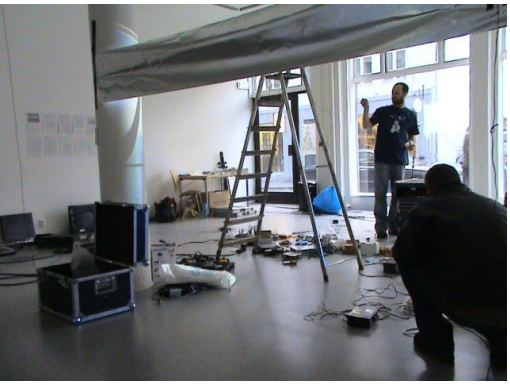
évolution aléatoire & bifurcation a-périodique

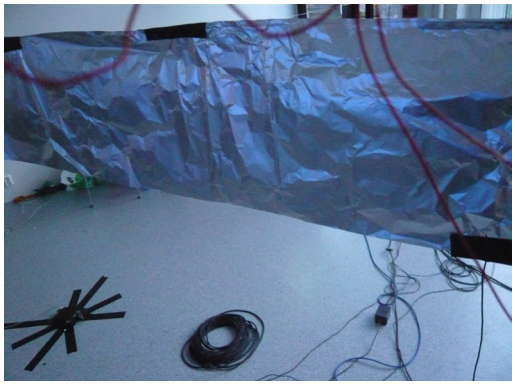
le chaoslab d'Apo33 intervient dans differents types d'espace et détourne son propre cadre de création et de partage.
Un Tohu-Bohu de bruit, d'électronique, d'images contradictoires, de perception dédoublée, de temps étiré et multiplié, chaosmose d'échanges de flux et maelström d'objets trouvés.

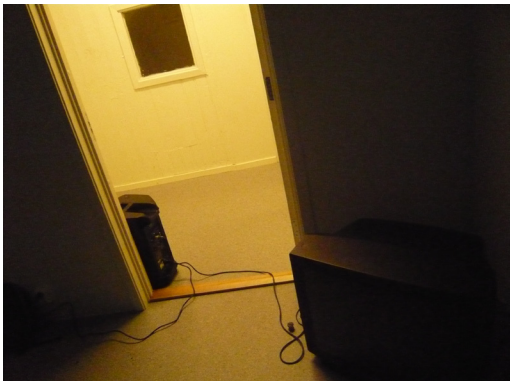
Mené par : JULIEN OTTAVI et l'équipe du CHAOSLAB: DOMINIQUE LEROY
JULIEN POIDEVIN RYAN JORDAN JENNY PICKETT
+ participation aléatoire

photos du chaoslab @ Piksel festival 2009 (Bergen - norway)
http://www.piksel.no/festival/p09
http://piksel.no/ocs/index.php/piksel/piksel09/paper/view/158



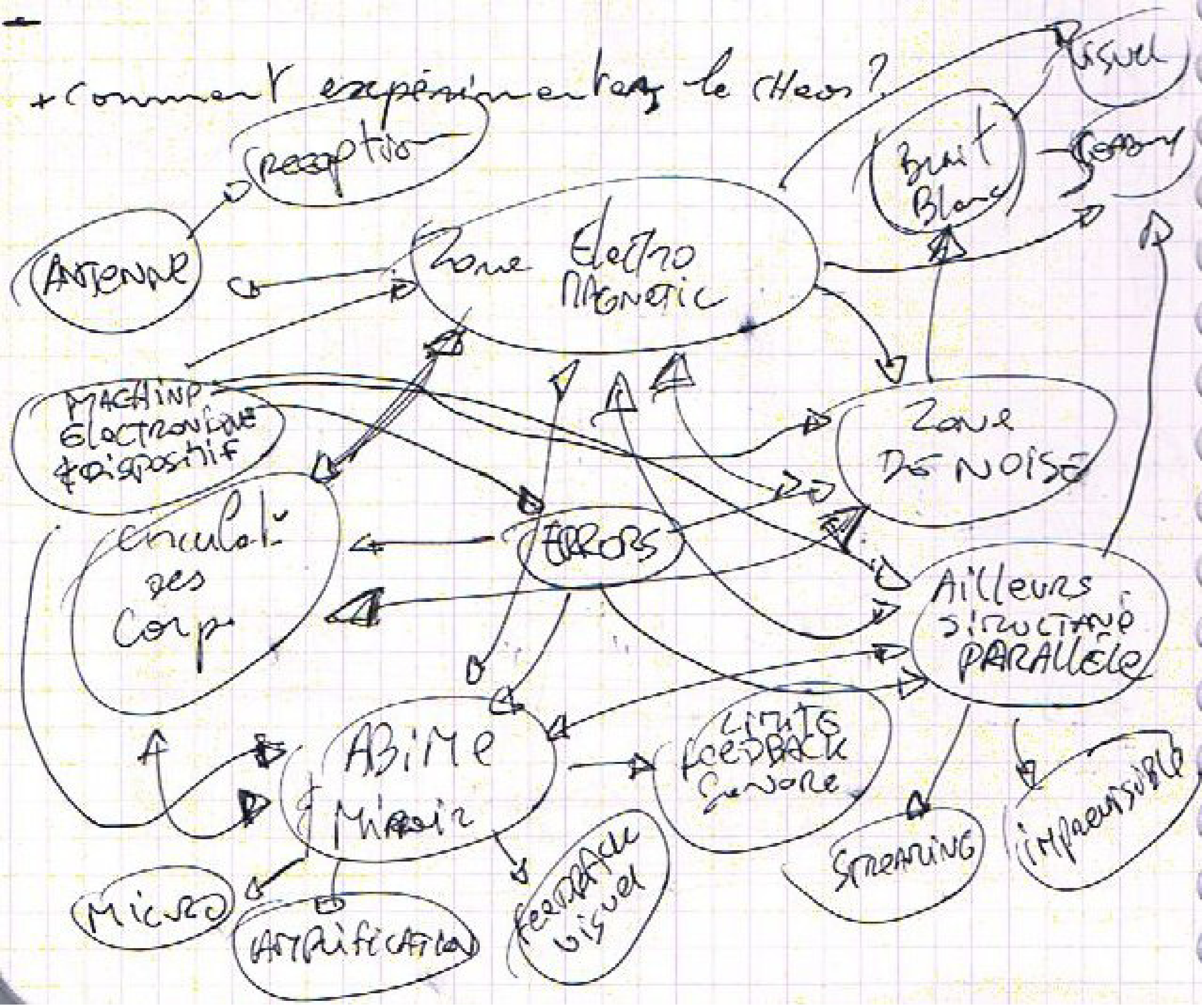


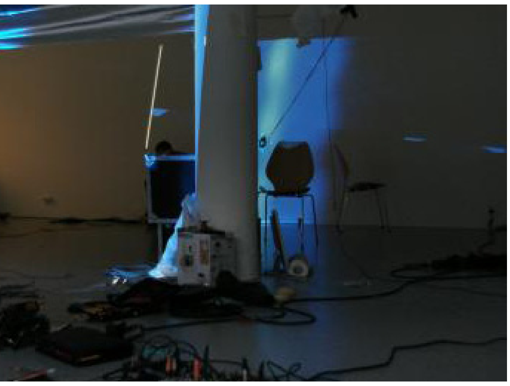


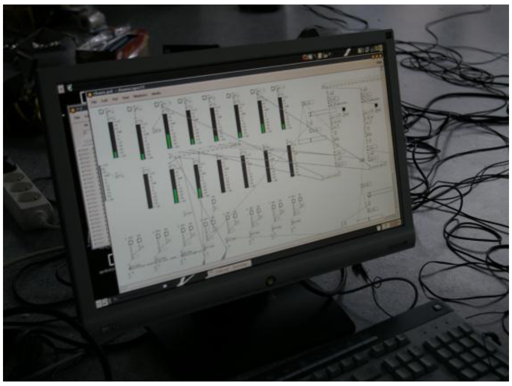


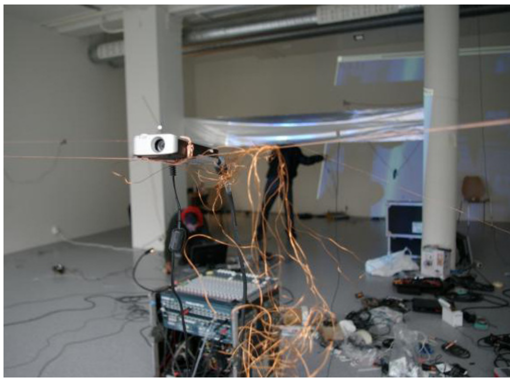
Chaotic systems & indeterminacy. Chaoslab creates sensitive dependence on initial conditions, devices and inputs by having evolution through phase space (installation/workshop within a place) that appears to be quite random. Our Chaotic models seem to be deployed to ascertain various kinds of activities related to bifurcation points (uncontrolled steps of evolution within the workshop), period doubling sequences (or should we said multiple sequences), the onset of chaotic dynamics proposed by the participants, the strange attractors between sources, filters, amplifications, connections and other denizens of the chaos zoo of hacked behaviors. Chaoslab erase the lower limit on how small change or perturbation can be—the smallest of effects will eventually be amplified up within the whole process. This act of amplification depend on the nature of particular kinds of nonlinear dynamics—those which exhibit stretching and folding (confinement) of trajectories, where there are no trajectory crossings, and which exhibit aperiodic orbits—apparently open the door for quantum effects to change the behavior of chaotic macroscopic systems.

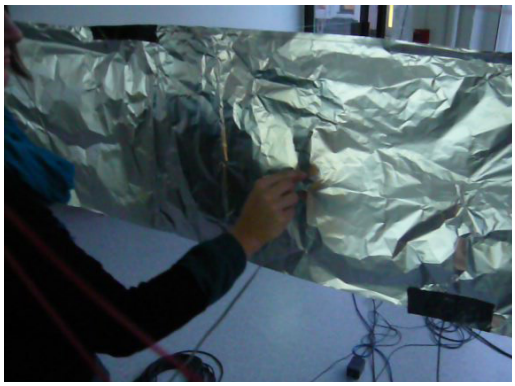
Is CHAOSLAB a real phenomenon? Aside from irregular behavior of real-world, ie everyday life systems of maintenance, CHAOSLAB is also invoked to explain features like the actual trajectories exhibited in a given state space (piksel festival) or the sojourn times (2 to 4 days) of trajectories in particular regions of state space.

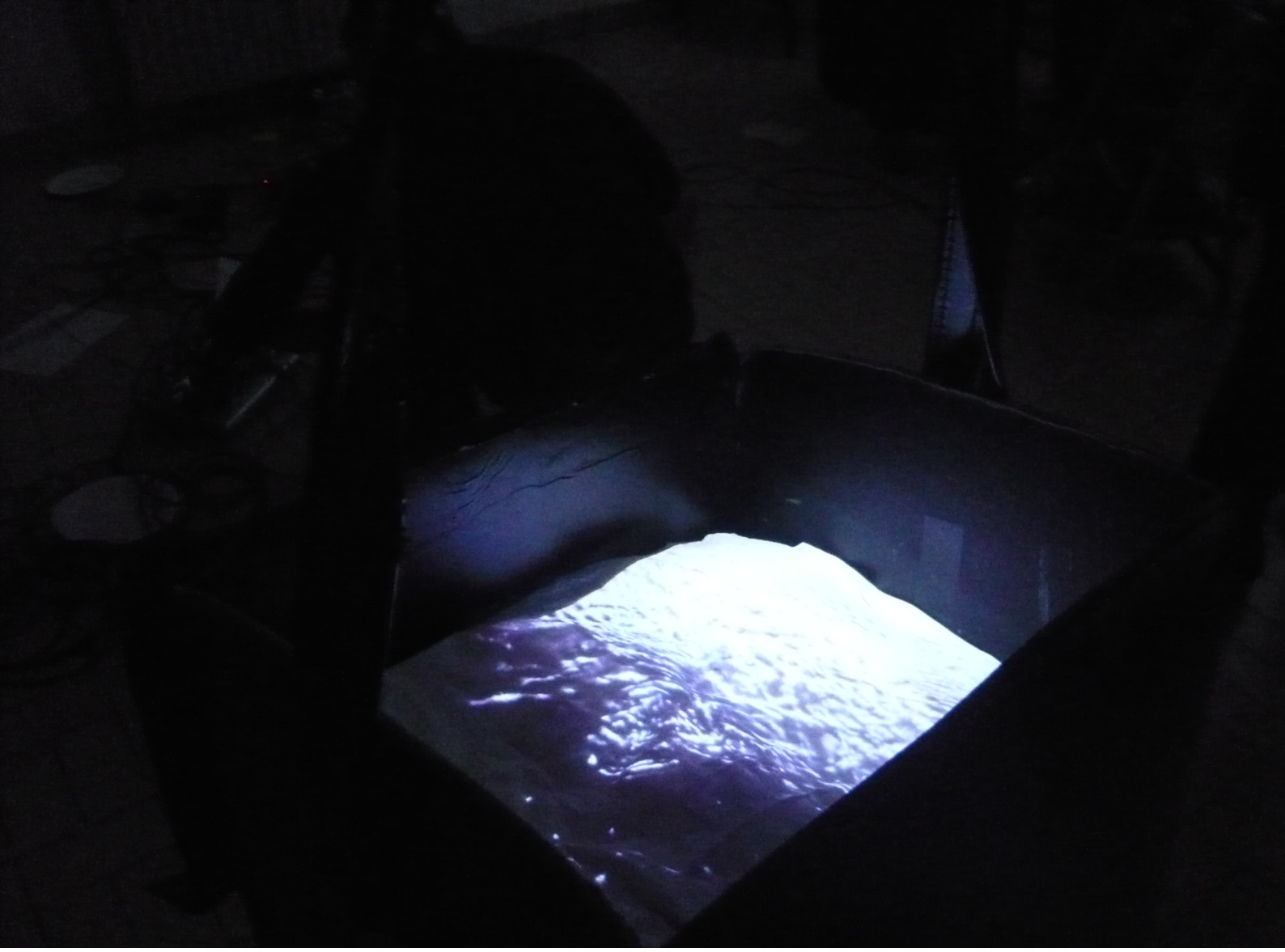

+ comment expérimenter le chaos ?
reception
ANTENNE
Zone Electro MAGNETIC
Bruit Blanc
Visuel
MACHINE ELECTRONIQUE & dispositif
Zone DE NOISE
ERRORS
circulation des Corps
Ailleurs structure PARALLÈLE
ABIME & Miroir
LIMITE FEEDBACK Sonore
STREAMING
MICRO
AMPLIFICATION
FEEDBACK visuel

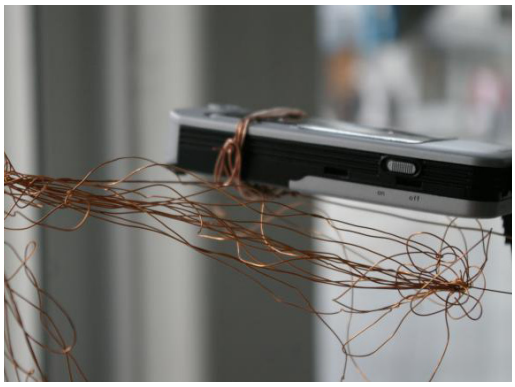












KL-divergence minimization

$$\varphi t1\ exp(Qj\ (t -$$

heuristic

make any particular split

$$x\ exp(Qj\ (t2 - t))\varphi t2$$

significant impact on the relevance on any intensity

arise: how should we choose where these new dema

adds one split point at a time

$$k\ [\beta\ tk(i+1)\ ]\ and\ \delta j$$

$$ki\ ]$$

order of magnitude

cluster intensity matric

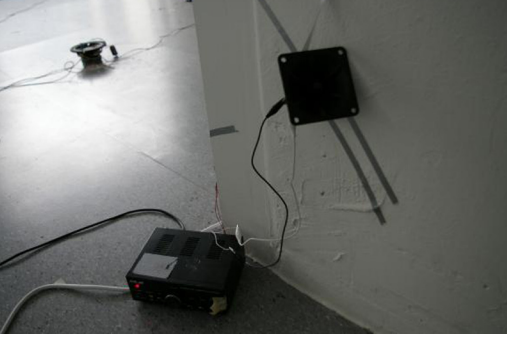
the diagonal elements

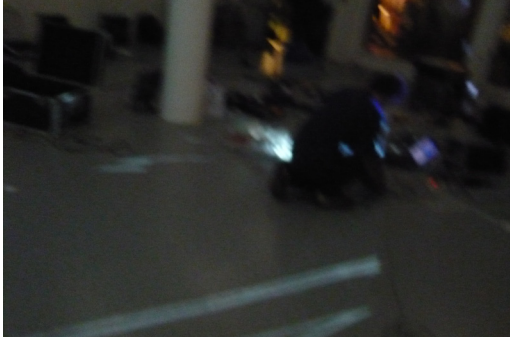
large values in the intensity matrix mean a faster rate of evolution

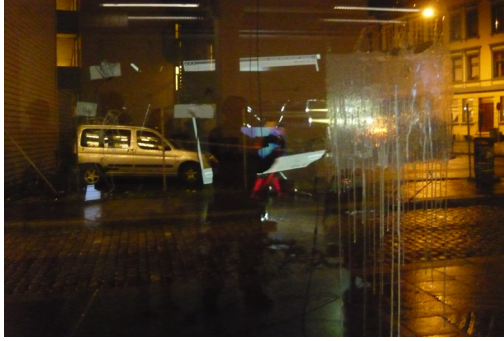
$$\leftarrow margCj1\backslash V \parallel$$

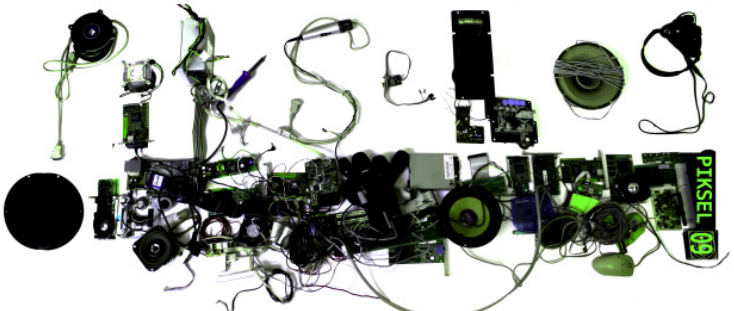
is not obvious

the exponentia








PIKSEL 09