Strange Attractor Factor beyond Performance Art in a Time – Based Media Context

Sergio Patricio Valenzuela Valdés & John David

Abstract: The article proposes the study of ‘performance art’ or ‘action art’ as a live act of associative composition within a time-space experience in the frame of time-based media art. Moreover, the samples used to analyse the factors involved are summarized as an experience with or in front of an audience. A new factor called ‘strange attractor factor’ will be added to the model Effect/ Affect published in 2012 by Valenzuela to understand the action’s meaning in the frame of performance art. Even more, today the model updates these concepts or parameters in the field of post media by understanding performance as a Time-based media. The ‘strange attractor factor’ could give an explanation about how attention is lost or even how awareness of the multiple variables is lessened where time-space is altered by unexpected and unplanned actions. Those variables rather than what the audience anticipates or the creator had planned, could take control and change the aim of actions. As a basis to critique performance this article uses models from semiotics, linguistics, mathematical grammar, rhizomatic model, aesthetics, architecture, performance studies and paint analysis. Added to those chosen lenses that observe and build critique, specific information is applied into this update with the aim of making a better understanding of what the strange attractor is and where it comes from. This article adds some possible critical uses of ‘fake equations’ presented in this paper in which the components assembled could make possible a different ‘reading’ of the live art and could help understand the idea of ‘time-space experience’ as one observable-detectable phenomena as well. Briefly explained by graphics and reflections, the study and the components are then applied to one concrete example in order to get some answers and final reflections about the use of the ‘Strange Attractor Factor’.

Keywords: Action art, performing art, time-based media, time-space experience, strange attractor factor.

I. INTRODUCTION

The proposal as defined in this article is the result of many empirical collections of data from doing performance art and also from an application of theoretical assumptions taken from other fields that deals with the relevance of Time as a concept in the action art scenario. I propose one new model to use to reflect and perceive the binary “time-space” notion. This article proposes an observation through an experimental approach made it in 2013 and then, to be more focused, 5 five years after when a laboratory was set up as part of the Art & Science Experiment supported the University of Applied Arts Vienna in Austria at that time. Today, after five years of investigation the conclusion goes in the same direction, unknown or un-planned-for attractions trap the attention of an audience. The main reason for this article is to try to explain this phenomenon. The mechanism of “perception analysis” uses notions and concepts to re-observe one action art as an experience shared with the audience. These notions are based on and collected from other models to perceive the complexity of one experience. The first step was published in Apuntes magazine Vol.134 by PUC University of Chile in 2012 [1], as a new critical model applying to the research of variables, probabilities and strategies implicated into the temporary experience.

Moreover, a problem occurs as an unpredictable and unstable phenomenon that changes every time and in every moment, we observe it in close to life situations in a random set up. Usually, called in action art and also in performing arts as a to be here and now. This issue of the unpredictable is focused through this article to Time- Based media art. All explanations and possible outcomes aim to visualise possible equations based on effect - affect notions, in combination with context, sense making and efficiency variables of a ‘shared time-space experience’. Furthermore, the external factors implicated in the denominated ‘Strange Attractor Factor’ are a concept close to being a metaphor about how easy it is to get distracted by unpredictable and unexpected forces like accidental distractions for example.

The article attempts to bring a possible tool into the trans disciplinary studies, establishing parameters to the discussion about time – based art and the constellation of actions as variables established within time-space experience with an audience, through performance art, for example. The net of variables to observe could build up a sort of temporary and individual architecture, self-design strategies from the beholder point of view and also a planning of efficient experiences, from the artist's perspective. The analysis must go beyond boundaries of classifications especially in critical art parameters. For this article it is important to determine the actors-factors (in a micro-way possible) involved within perceptive parameters where the variables would be linked by a combination of lenses and fragile structures, while those who observe and participate in this experience will have more tools to organize a possible theoretical criteria to make an observation not limited by the beauty of the performance, but by understandable and relevant parameters of matter under readable layers of concrete information.

One of the initial purposes of the Effect/Affect model is to facilitate how to critique the outcomes of an experience when it is shared with an audience in time-space. Indeed, this article moves from the idea of comparative analysis by efficiency and effect, to analysing how a performance itself has been
affected by strange factors. One of the most relevant assumptions is that the strange attractor needs to be seen as interacting with the agents and variables involved in a situation that is time-based and understanding the experience as a trajectory of actions toward a specific ending. For example, action: drink water in a glass. Trajectory: all the steps that the performer takes to make the goal possible. Outcome: glass, water, drink. So then, it is important for a beholder to realize that the action is made and is done. Then the action itself becomes part of a net of actions that have been planned by the performer. However, what if the glass of water is taken by an audience member instead of the performer? What direction will the action take? Before any action analysis can be done, it is necessary to understand that first of all the beholder wants to understand something and secondly the performer wants to make a meaningful live experience with them. So, it is crucial to determine the implication of the sensemaking for the audience in this time-space experience.

Sensemaking as an agent becomes crucial when an audience attempts to understand the various components of a performative experience present in live action art. Questions like: What is it about? Did I understand what the artist was trying to say? Does it have a free interpretation or did I just misunderstand the meaning behind the actions? Sensemaking is observed more as “a motivated, continuous effort to understand connections (which can be among people, places, and events) in order to anticipate their trajectories and act effectively” [1]. This quote points out that “as an effortful process, sensemaking is actually considered a subset of the processes used to maintain situation awareness. In the vast majority of the cases, situation awareness is instantaneous and effortless, proceeding from pattern recognition of key factors in the environment”. Moreover, sensemaking refers to – anticipation of trajectories while the action/situation requires the understanding of the key factors of the environment. So, both concepts regard a configuration of a net of variables in time-space that on one hand assumes that attention and awareness are crucial at the moment when someone experiences an action art journey. On the other hand, the actions could evolve where attention and awareness are not so present due to unplanned factors and where predictions about outcomes could change and make no sense in the end. As far as trajectories, if they end as presumed by the beholders, perhaps then it makes sense to them. But what happens when all trajectories change and all possible outcomes are not what beholders presume? It would be wrong here to think that the attractor is always guilty of bringing about the changes. Instead most of the time in live performance, there exists a tension between a ‘plan’ of actions with outcomes and the actual development of trajectories in time-space, and a passive-active audience. But a situation of awareness for all participants (artists and audience/ actors and experiencers) could be drastically changed by factors that in this case it could be named ‘strange’.

From the field of Physics and also based on Wikipedia definitions, ‘Attractor’ is a set towards which a free moving object or particle moves according to the dictates of a dynamical system evolving over time. Describing the attractors of chaotic ‘dynamical systems’ has been one of the achievements of chaos theory. In a dynamical system the trajectory of the attractor does not have to satisfy any special constraints. The flow in the movement is away from the set, called ‘repeller or repellor’ [2]. A time-based experience could be considered a dynamical system and could be described by “one or more different equations. The equations of a given dynamic system specify it’s behavior over any given short period of time. Behavior that is typical for one attractor is part of the phase space of that dynamical system”. The variables in the time-space experience involves performers, audience, actions, outcomes and attractors; and this attraction is determined by the environment and the results of the action taken.

II. EFFECT / AFFECT MODEL LENS

Presentation: The effect/affect model was created in 2009. This first attempt to describe performance and action art as a time-space experience was within the essay “Details of one exhibitionism” by Valenzuela, University of Chile [3], which brought about a sort of catalogue of terminology about the diversity of topics that could be related to the matters of time and live actions, for example: dance, contemporary dance, video, installation, performance an others topics, always beginning with the experience of the author as the first collector of the results from an empirical approach. In 2010, the idea of modelling an observational and critical lens for action art became more concrete with the essay named “AACT - Among transdisciplinary action art” [4], by Valenzuela, PUC- University. This dealt with a fusion between transdisciplinary and action art. This new condition of action art used a recent aspect from performance art mixed with terminology from other fields and research. The essay begins with a question about connections or links between disciplines and how it could be possible to erase the borders between academic methodologies within the creation process in the arts, specifically in action art or performance at that time. In 2012 in a third article a model named “Effect/Affect was presented, and this model would be the critical model to analyse action art” [5]. This model describes a research that borrows different aspects of observational methods regarding time-space experiences with beholders. Topics and systems melted in a new lens based on visual art theory, math, Chaos Theory, performance studies, architecture and some others. The presented model describes effect/affect - efficient - context – sensemaking, as possible variables or agents that compose a time-space experience such as performance art.

The various analyses resulted in naming the players/participants involved in the action art experience and how they would work together within the experience. John Dewey defined experience as: "Experience in this vital sense is defined by the those situations and episodes that we
spontaneously refer to as being "real experiences" [6]. It brings the discussion to the level of a new dialogue between art and audience, but also as critics and time-based art analysts. Furthermore, now with the addition of the Strange Attractor Factor the discussion crosses the level of art and becomes a part of system analysis, where the environment is an important factor as well. The complexity of the net of variables becomes sort of an unpredictable behaviour when the conditions are not controlled by the artist’s plan or the audience’s expectations. So now, errors, precision, limits and accuracy become part of the vocabulary of the inevitable situations when they are ambushed by unknown agents.

The model (Fig. 1) was briefly presented by Valenzuela in a Roundtable organized by the Art and Science Department in Vienna 2013. It attempts to describe the factors Effect and Affect as two sides of one observational lens in a balance within one experience where an audience is present. The model “effect + affect” tries to give access to the audience, critics and artists themselves to understand how multiple values work together. The critical model presents the diversity of aspects that would be observable in one experience, among others when a hypothetical beholder observes a piece of art based on actions and live performance. The proposal displays a possible structure about how to analyse this experience under certain selected parameters that come from different fields where action art could be interpreted in many aspects based on these models already collected by Valenzuela:

1. "Speaking model" from Hymes. 1974. This model is a communication system model in scientific language. It uses the notion of time-space factor, audience and actions focusing closely on the relationship between the action and the time as an ‘act sequence’.

2. The Turner model is from the mathematics systems, applied into the paint. This model deals with linear vs non - linear and with expansion versus contraction. It is used to understand that the composition of the act sequence is not linear and it could work under paradigms (about substitution) or syntagms (about the positioning), for example. [8]

3. "Visual theory" From Dondis, is based on Arnheim. This model works with the relationship of the factors rhythm and tension into the temporality of composition and how it is possible to analyse these actions implicated into the experience—for example: isolate actions, sequential actions, dynamics actions and static actions [9].

4. Performance analysis from Patrice Pavis. This model asks questions about the theatrical performance. It focuses on the formal aspects of the uses of the scenic space, and how the space effects to produce the audience role in the performance [10].

5. Trans medial performing arts model from Miranda - Espinoza, which is based on the Rhizome model from Guatarri - Deleuze. This model focuses on the composition system in the post production to create new systems like ‘sticker’ as an example of this system of production, Cartography analysis, Trasculture context analysis, appropriation of discourses from various disciplines. It is
important for the model to propose the relationship between the resources and media developments utilized in the ‘post-production’ which are implicated in the experience and how it is possible to recognize them [11].

6. Performance Studies - Architecture model, from Rodrigo Tisi, PHD P. Studies -NYU. This model analyzes the efficiency of the performance space from the architecture’s view:

**body + surface + program + time + place + materials.**

This model proposes two very important factors: the relationship between the interactive experience and time-space perception into the cultural context [12].

7. Phrase Composition - literature. Alberti based on the italian renaissance paint composition. It organizes the order of factors like:

**Canvas - body - member - plane. Phrase - clause - sentence - word** [13].

8. The X factor implicated in the live art experience is named Attractor, like the Attractor Factor implicated in the Chaos Theory used in Physics. This factor is the ‘unexpected’ behaviour of a person or an unexpected situation where more participants are involved within the performance. The ‘unexpected’ variables are not planned by the creator, but the implications and results are the basis to be amplified In this article [14].

Regarding Alberti model described in point 7 about the composition in literature, the new proposal about this no linear composition will be read as a representation for the variables implicated into the Effect/Affect model.

**Experience/gathering - temporality- action/interaction - effect/affect.**

The no linear composition and probabilities implicated in this ‘critical observational model’ assume a different arrangement of the multiple factors in the composition of the ‘Time-based experiences’ shared live with an audience. The result of the series of factors involved in these experiences is described like this:

**effect/affect - context - efficiency - sense making) / X = Time-space experience in action**

Moreover, the complexity of analysis in using these notions, redefines a lens of observation under those specific and multiple parameters. Even so the Effect/Affect model attempts to re-arrange the factors involved in an art, the Effect/affect model attempts to rearrange the factors for critiquing a live act in regards to the actions and the composition of aims in a real time-space performance. This is done with the goal to evaluate and facilitate the critique at the moment of performance, to evaluate the experience as observer, participant or even as an artist herself. Time-based media art as part of new media or post media in contemporary art makes a difference giving special value to Time as a concept involved in one experience. Furthermore, based only the notions of Effect - Affect (how effective were the materials and resources that were used, and how much were the participants affected) those are parameters of evaluation at the moment that art critics and aesthetics measure about a live act, no matter what it is and from which discipline it comes from, based on a range of curators for example, taken as part of the elements to choose some art experiences to put them in an art exhibition. The current model provokes a displacement and move forward to the elements of composition in Time-space that goes beyond the basics of the Kantian aesthetics experience, for example (like-dislike –beauty- no beauty).
Further steps in this research development opens up questions about how to apply this observational lens of analysis into an experience giving two possibilities of observation. First, in the field of design this lens brings the possibilities to identify immaterial factors in the temporary experience such as modeling time in contrast with duration, steps and user experience, for example. However, the frame of arts, brings up the Time-based media setting as a crucial phenomenon to observe, through the lens that could bring some answers to reconfigure a connection between information about the temporary-plan-net that is observable in a such a real-time experiences. Using this lens, it is always preferable to have an audience trained in a time-space experience with the artists involved as well.

The second utility of this proposed lens is the amplification of details (leftovers, traces, footprints and misunderstandings) within the observable and experienciable creation that gives the beholders the possibility to ‘read’ the live-process differently. At the same time, it gives them the ability to investigate about how design experiences in real time beyond material representations, should be one of the most important goals for this lens of the “effect /affect model” because it attempts to solve some questions about how the audience, critics and participants currently understand time-based media art.

Since 2012, the development of the idea of a strange attractor factor has been mentored by other people who became involved in the project developed by Valenzuela. Many discussions about the topics connected with time-space experience were observed in as many aspects as possible.

The discussions about the Strange Attractor began with Robert Bücker, Postdoc researcher at the Vienna Center for Quantum Science and Technology, Institute of Atomic and Subatomic Physics, where he is developing Macroscopic out-of-equilibrium quantum systems such as matter of waves, quantum optics and cold atom imaging techniques. In the development of the experiments in the SAT-based experiments and further based media setting as a crucial phenomenon to observe, through the lens that could bring some answers to reconfigure a connection between information about the temporary-plan-net that is observable in a such a real-time experiences. Using this lens, it is always preferable to have an audience trained in a time-space experience with the artists involved as well.

The aforementioned ‘fake’ equations and graphic visualizations have been inspired by the following books: De Broglie, Louis (1953) "The revolution in Physics, a Non/Mathematical survey of quanta", Williams, Garnett P (1997) "Chaos Theory Tamed" and Dewey, John (1934). The ‘fake equations’ will compare these texts to create visual references for a new proposal to analyze the experience of time in performances for the audience. An attempt will be made to unravel a network of topics within this setting in order to establish new audience-based experiments and further appointments with his cooperation partner Robert Bucker.

Components of the ‘Fake equations’:


Effect/ Affect = E/A. Emotions + Reactions + Body. Sense /Sense making = S/ SM

Communication + ways to understand. Attractor = At. Obstructions + Life

1. Context is sufficient and make Sense to understand the experience, because the Effect/ Affect is right or higher if compared with the efficiency of resources. Sense making is only possible if the obstructions (affect on it) to performance are sufficient (efficient) to amplify/minimize emotions and reactions (effect).

\[
Ef (C) = E / A
\]

2. Efficiency of resources is correct because the Effect/ Affect make Sense in the context. Sense making depends on context being greater in importance than efficiency, all over could be attracted by strange factors.

\[
S = (C) A
\]

3. Effect/ Affect is higher/ lower because when it has been attracted in the context, then the planned actions are smaller/bigger efficient under their parameter of the beholders and then finally make bigger/less sense. Emotions and reactions (affection) less the negative/positive energy of unplanned factors being of greater importance (sense making) than the physical objects of performance (resources) equals the meaning of experience from which sense is determined (context).
4. The sense making is high/less because the efficiency of context makes a bigger/lower effect/affect. In order to make sense then efficiency is equal in value to emotions and reactions (affection), so as to cancel each other out; and then the context is influenced by the unplanned performance factor (strange factor). The grade of sense making depends on how much (efficiency) the attractor affects the performance.

\[ E_f = (C) - \text{At} \]

\[ E/\text{At} \]

Between 2012 - 2015 Bücker assisted Valenzuela in various projects with the aim of researching the possibility of the detection of the strange attractor factor within a live performance. The closest attempt were the results obtained in the Situational Awareness Test - SAT, but the information collected couldn’t prove that the loss of attention is because of the existence of the Strange Attractor. It seems to be a very abstract idea but with the help of Bücker and through the collected information and the forms filled out by the audience as part of the experimental research, it does seem to prove that in fact almost every time a beholder watched a live performance that beholder got distracted by various agents, even when beholders and variables were isolated in one small white room. So then the SAT became the first of many attempts to define the conditions that would be used in order to define the Strange attractor factor. However in reality this attempt to define strange attractor factor is difficult because the discussion is still going on in time-based media art, specifically when time-space itself is something that is part of the plan of actions, since object and the matter is used to control and stretch the concrete space and the body as well.

Situation awareness Test - 2012. Die Angewandte.

Regarding some aspects from the visual perspective of the experimental approach about those variables that are unplanned in a live-performance with an audience, the development of the Situational Awareness Test “SAT” resulted in the No Cover Project presented at the Natural History Museum of Vienna. Assisting in this project was Renate Quehenberger, Doctor of Philosophy from the University of Applied Arts working in Quantum Information, Quasi-crystallography and Nanotechnology. The SAT which dealt with the audience loss of attention from an external distraction, also formalized the idea of simple lines as geometry where the body shapes and geometry become part of the same project, which after all become geometrical costumes offering a perspective where free-design becomes costumes, costumes become bodies, and bodies become choreographies and steps, and all together this becomes live performance itself.

Understanding the ideas behind an experience becomes important in Valenzuela’s approach in discussing the experience itself and how valuable it could be in the matter of the transmission of contents or even in learning by embodying concepts, ideas, performances, approaches and skills. An encounter with Elisabeth Zimmermann was instrumental in understanding how movements as observable variables become patterns of behaviors that are related with the shape of the costumes and their materiality; and how these patterns evolve to the next level. Zimmermann was the head of MEI: CogSci program in the University of Vienna, Austria. She has a background in human biology. She did her interdisciplinary diploma thesis in the fields of cognitive neuroscience and behaviour. An important point in this paper is mentioning the fact that improvisation-settings in dance are enabling new ways of understanding/sense-making and hence bring about new keys in the production of knowledge and communication skills.

SAF - Strange Attractor Factor

To understand the strange attraction of this factor that changes the planned actions and influences the conditions of the time-space experience in time-based art it would be necessary to take some aspects from the original Chaos (strange) attractor definition. "According to Ralph Abraham (Fisher 1985), the chaotic attractor emerged in mathematical theory in 1932 or so, then it came into view in the field of science with Lorenz in 1971” [15]. Furthermore, the most important aspects from all attractor, chaotic /strange attractors “are the set of conditions that a system can take on that are reproducible; have an invariant probability distribution; and have an irregular, erratic trajectory that can be periodic or non-periodic” [16]. By definition chaotic (strange) attractor is a complex reality and this article suggests two proposed definitions framed in the field of physics within chaos theory and optics quantum studies. ‘Chaotologists’ proposed several definitions of a chaotic (strange) attractor. Two of the most notable are: “a chaotic attractor is a complex phase space surface to which the trajectory is asymptotic in time and on which it wanders chaotically - Gregory, 1982. A chaotic attractor is an attractor that shows extreme sensitivity to initial conditions - Eckmann & Ruelle, 1985 - Holden & Muhammad, 1986” [17]. On the other hand,"The attractor is strange (in the sense of unfamiliar, poorly understood, or unknown) in terms of both dynamics and geometry. However, Grebogi - 1984 and some others authors distinguish between "chaotic" and "strange" attractors. Chaotic" has some fractal properties and "strange" doesn’t have a sensitivity to initial conditions (exponential divergence) ... in many cases it's either impossible or unnecessary to confirm one or both of sensitivity and strangeness" [18].
So then, a possible definition of the indeterminate SAF in Time-based media arts could be assembled by a mixture of notions adapted in one time-space experience. SAF is a factor or agent that attracts a time-space experience in one or many strange ways resulting in unexpected situation-outcomes, and where in a set of live actions in a concrete time-space with beholders, it changes the planned outcomes by changing the time-planned actions and their developments. The time-space experience is viewed as a system of initial conditions when 0 is the time when beholders wait the actions to begin. The trajectory of the actions is the development in the net of content distributed in time-space in the live performance. The actions could be repetitive or unique, having a ‘periodic or nonperiodic’ apparition than those used in the real space-time (non-virtual). When the action is a repetition without an end or constantly repetitive during a length of time, then those have an extreme sensitivity to the original action displayed. Therefore, the original conditions of every action become a new start for each to be attracted. One of the most important issues, is that most of the action will be undetected from the original condition and loose its final destination. So far it seems that strange factors affect the trajectory of the action more than other factors, and the action becomes something ‘unfamiliar, poorly understood’ making no sense to anyone other than the one who made it.

To be aware of the possible ways of understanding this phenomenon it could get closer with physics in ways the terms and definitions from them are applicable in the fields of live act conditions. For example, complexity, that it is defined as “a type of dynamic behavior that never reaches equilibrium and in which many independent particle-like units or “agents” perpetually interact and seek mutual accommodation in any of many ways.” [19] It seems to be affordable by an organization like a time-space experience where it would be always find accommodation between beholder, actions, performers, contexts and so others. About the equilibrium that the live act could reach this it would be measurable if it’s necessary as something chararcteristic. Evenmore, the notion of Self-Organization means a lot at the moment that is necessary to observe a live act where actions change constantly, that made a net of traces in time-space and sometimes look that by magic is organized by itself and not created by anyone, for example. The original notion in physics is: “a tendency for a dynamical system to organize itself into more complex structures. The structure can be spatial, temporal, or operational (functional)” [20]

The co-related actions become a system that works together and could totally change the initial condition of the action, even starting the actions again, changing the perception of those ‘strange’ attractors which apparently behave ‘Chaotic’ in the sense that they are related with the initial aim of the action but present a new potential action that ‘distracts’ the whole experience. This specific distraction could be detected as a ‘fractal properties’ understanding this divergence from the aim of the action and the experience planned itself. The fractal development of this distraction could create a ‘strangeness’ within the original plan of actions to be displayed, shared and aimed by the performance under the whole experience called action art, but basically it all becomes Time-based media art. Now the time-space experience becomes fragile and belongs to parameters of sensemaking specifically, where if what the beholder experience makes no sense, all the context and efficient use of the materials and resources are not valuable.

**SAF under Time-based media art and time-space experience**

In Contextualizing terminology, it is necessary to understand the term Performance with a simple understanding established by Suvakovic ‘performance’ is defined as: “Being’ is according to Schechner, existence itself. Doing’ is the active aspect of being. Showing doing’ is performing; pointing to, understanding and displaying doing. Explaining showing is the work of performance studies” [21]. Another characteristic about performance with the time-based practices is the understanding that duration is part of the concept. It takes time to work on and present aims of the performance. Time makes a difference with performing arts because this art evolves with concepts presented in a live performance presentation and through narratives. According to Frank Popper (1993): “Video and time-based practices cannot easily be commodified and are better experienced over a duration rather than consumed as static objects. In considering time rather than hardware as a characteristic, video perhaps shares the Postmedia vocabulary of behavior with new media art. The term lens-based media for film, video, and photography has been at least in part replaced by time-based media for any moving image. Performance time is the understanding of mediation in real time, and the live presentation also points to historical commonalities between performance art and media. The relationship between video and performance art, however, is not one of simple documentation. Performing art is a highly developed critical position on time, based on process and event rather than on object. The event-based structure of ‘the performance’ means a period of time in which to concentrate on the unfolding of the artwork” [22]. Video communication and audio communication are not the only focus of this of this article. It also attempts to put in the center of the eye the experience altogether. Therefore, performance (time-space experience) is part of the Time-based media classification whether or not it uses video-mediation of films and is within the experience or documented after the experience as well. The experience must be observed as a mediation between the process of the time of the live action and results of the experience and whether the aims were attained.

The performance that will be used to apply the lens is titled: “Corner Time” by Despina Zacharopoulou part of the exhibition: “AS ONE”.[24]. The description of the exhibition was: “NEON + MAI are partnered to present As One in Athens which consisted of the Abramovic Method, newly commissioned performance pieces by Greek artists. AS ONE
remains one of the largest and most ambitious projects dedicated to performance art in Greece to date. With this collaboration, NEON + MAI aim to provide a platform and help foster a new generation of Greek performance artists. A number of emerging Greek artists were selected by NEON + MAI to train and perform and have been commissioned to develop and present new works for the project” [23]. “Corner time” 324 hrs. long durational performance commissioned by the NEON Organisation and the Marina Abramović Institut (MAI) Benaki Museum, Athens, Greece, 10/03/2016 – 24/04/2016. Zacharopoulou is a visual artist based in Athens and London. She describes herself as “a Greek artist, whose practice and research re-define performance as “Spatum Monstrorum”; surface and game of truth, hiding place and stage of exposure, generator of images and event of Beauty” [24]. The description in Marina Abramovic Institute database describes the experience: “This performance explores the mental spaces that open up during control exchange in human relationships. Over the course of seven weeks, for eight hours per day, the artist will “host” the audience in an enclosed space and perform a set of actions combining methods and goals drawn from the practices of meditation, discipline and restriction. The goal of this piece is to create potent, experimental situations of control exchange while playing with the multiple functions of the gaze: a mechanism for introspection, surveillance, recognition and communication” [25].

To begin the analysis, it is crucial to define the components:
-Context: Athens, the shared museum and multiple and simultaneous actions, the ‘durational’ condition of the performance exhibition. East Europe, conservative political context against women and queer rights.
-Efficiency: Ropes, chalk and a bodysuit open in the back. Space painted in one colour. Trimmed hair. Proximity of the audience could provoke as we see on the video that the pain and the actions end up in supporting and caring. The second issue could be the artist energy-power playing against or in favor of some of the planned actions, because she could be extremely exhausted or hurt and cannot continue doing her planned action.
-Effect/ Affect: In the video its observable that audience visits the space of the artist and they are looking at her, sometimes they react astonished by the pain of the artist as a result of the actions, others with calm and no action at all. In one instance a woman gives the performer care by touching the artist with her hand. The video shows one person giving care which shows that to some in the audience it matters what happens to her (the artist) physically and emotionally. To the artist the reactions of the beholders doesn't matter
-Sense /Sense making: The action is associated with pain itself, but the durational performance initial conditions make the whole exhibition repeat the actions in order to try to push the psychological limits of the artists and beholders to observe this process. Understanding that the action itself is simple. The ropes used as bondage cause uncomfortability and pain; most of the time it is the same with SM (sadomasochism) and sexual practices that involves some games like this. However the use of the second element, the chalk, aesthetically draws her in a certain way as a jail person prisoner of herself.
-Attractor: The attraction from her work is given from two points: her back open indicates a sexual apppearance about her body. The chalk gives a second layer that sometimes is readable as a hard working person confined—as in a jail—or sometimes seen as a minimal object without content, so then both directions could be directing the artwork down different paths.
Screenshots taken by the Film from Tokomburu, produced by Inkas Film Productions.

Applying the “fake equations” to the artwork could build some sentences like, the components summarised are:

-Context: Athens, shared museum, durational performance, conservative political context.

-Efficiency: bodysuit open in the back and proximity of the audience, the artist energy-power.

-Effect/ Affect: they were reacting being astonished by the pain, to her (the artist) physically and emotionally.

-Sense /Sense making = pain itself, the psychological limits, SM elements.

-Attractor = The chalk.

Therefore, what the picked topics could build organizing the notions by the order of the sentences presented by the fake equations before or so:
1. The shared museum makes sense in understanding the experience, because the durational performance is a strong resource to make sense and amplify the emotions and reactions from the beholders within the conservative context of east Europe.

2. The body suit open in the back is correct because make sense in the context of the SM (Pic.4) and pain itself. But it could be an attractor distracting attention, much like the chalk, that sometimes in the video seems to be merely decorative, rather than as an important factor (Pic. 3). The Energy-power of the performer is part of aims to reach in the durational performance as well, so its use must be controlled and dosificated by the artist, giving to the experience that the moss of energy could restrict the development of actions.

3. The affection is higher because of the proximity of the performer with the beholders, so then the audience could interact directly with her body even (Pic. 2). Emotions and reactions are stronger when the physical demand is higher. The use of energy is important in the spending of durational performance to better understand her actions and objects as well.

4. It makes sense to talk about pain in women and about restrictions placed on them, or even self punishments in the context of psychological illness, in the frame of political border and in gender assumptions about punishment by society. The attractor factor could create a sexual individuation in her, where by the video mediation of her body could result in different combinations of the factors of ropes (Pic 1), open back makes sense in the way beholders could imagine a restricted body, isolated and being tortured by war issues, for example. (Pic. 4)

5. Strange Attractor factor: The chalk is clearly a variable used by the artist in many ways possible. However, the traces and the dust could impact the breathing of the audience and artist, require the need for space cleaning and necessitate dealing with clothing damage. The particles in the space could go in many unexpected trajectories and chaotic behaviors that this factor, element, makes up. Paint and dust and media would be used as a possible distraction itself and it would make the aims of the action plan fail or succeed. The secondary strange attractor, the back of her bodysuit, it not strong enough as a variable to be analyzed as one component that attracts or distracts the attention in unexpected ways during the experience and beyond.

III. FINAL REFLECTIONS

Unfortunately, watching a video about a live performance would be always different from watching the live performance itself as a beholder. No matter, the analysis would never totally cover the 39 days, 324 hours from Zacharopolou’s performance. Furthermore, the analysis only covers some aspects from the viewers perspective because it was previously edited by the video maker. Even so, the documentation of performance will always be positive as crucial material to revisit all performances in order to compilate action art and live experiences. The video about the performance could give some clues about the positions of the viewers that are part of the experience, collected by one beholder watching Zacharopolou’s actions played in the space.

In regards to the possibilities about what SAF brings to other possible critical models and also about education in performance within the academic fields, it attempts to transfer certain knowledge about how to analyse under a complex tool based on concrete parameters that the Effect/Affect model could bring to someone who wants to observe and link different perspectives about action art; specifically Time-based media art, in this case-example, a durational performance.

Specifically about the Strange Attractor as a factor, the aid of this model of analysis brings the possibility to de-attach one or more elements from one live performance and understand under certain conditions which elements make a distraction or could bring the unstable or mutant composition into a chaotic spin. In this instance the attractor could fix the matter of what a beholder understands first and what the aim of the actions is supposed to complete in time-space. Perhaps for further examples it could be extended to other experiences in real time-space.

In ‘performance art’ or ‘action art’ or any associative composition of variables by linking, detailed planning is a necessity but no matter how carefully a project is planned, something may still go ‘wrong’ with it. This is a prime example of a saying adapted from a line in ‘To a Mouse’ by Robert Burns “The best laid schemes o' mice an' men / Gang aft a-gley.”[26] Nevertheless, the unplanned SAF gives us an explanation about how distracted a beholder might become or on the other hand, how useful it could be when something the artist doesn’t plan at all makes sense to the beholders for example the chalk from Zacharopolou. In order to close reflections it would be interesting to motivate other researchers to apply this method, even researchers from art or humanities field or beyond for example science. This would evolve beyond time-based arts to unexpected disciplinary frames. Regarding Burns epipheth, what exactly SAF attempts to visualise in research, ‘action art’, or in other fields, is that sometimes no action at all, that the ‘repeller could become attractor. In this scenario what could be seen as bad becomes good, unplanned performance events might unplanned and accidental, but is useful for sense making if chaotic becomes organized; if useless becomes fruitful and vice versa. Allover by attending to a case by using fake equations, we would be able to better accept the fact that just because something is wrong, maybe it means just that we feel attracted strangely.

REFERENCES


[6]. Dewey, John (1934) Art as experience Penguin Group Inc NY USA, p.37

AUTHORS

John David - 1943

Sergio Valenzuela -1978
Born in Santiago de Chile. Has a degree in Fine arts 2002 and Stage designer 2005. MA - Magister in Art & Science (June 2014) and currently Dr. Phil candidate of the University of Applied Arts Vienna 2015- in Austria. Designer of Chilean Stand in PQ’03 Prague Quadrennial in Czech Republic. Granted by Playwright award 2005 in Chile. He produces FIDET- Festival of Performing arts and transdiscipline in Chile (sponsored by IBERESCENA 2011- Spain). Winner of CONICYT - Science and technology Chilean scholarship in 2012 and 2015. OEDAT- Internship in the Academy of Fine Arts in Venice, Italy in 2017 - 2018. Granted as academic visitor by Concordia University - Le parc- Senselab in Montreal, Quebec April - May 2019. Has been Professor of University of Chile, U Mayor and UNIACC universities since 2007- 2014.