
Morphing morpheme-Bits, Beats and Pleats

梁世偉 Gino Shih-wei Liang, NCU, 2007



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_Abstract

This design discourse focuses on the research about "form" of architecture and landscape. Units, phrases, grammar and composition of architectural form play big roles during my graduate working.

Since Modernism of 20th century, rigid order of "form follows function" confines most of architects within the single rule. I myself query about the adaptability of being afraid of debating about or making up form. Gilles Deleuze mentioned about the concept of "BwO" [body without organs] in his book "A Thousand Plateaus" [1980] which illustrates possibility of being away from the constricted value of one-minded central system of architectures.

The term is borrowed from Antonin Artaud's radio play "To Have Done with the Judgment of God" [1947]:

*When you will have made him a body without organs,
then you will have delivered him from all his automatic reactions
and restored him to his true freedom.*

This body without organs is permeated by unformed, unstable matters, by flows in all directions, by free intensities or nomadic singularities, by mad or transitory particles" (A Thousand Plateaus, p. 40).

The body should be really composed of sets of flows moving at various speeds (music as stable and unstable flows of notes; picture as tiny color dots fading way as time goes by; paper pleating as earth crust lying upon very slow-moving flows of liquid substance). This oscillating substratum is what Deleuze calls the BwO in a general sense.

Thus, contemporary freedom of architectural form becomes the main question I need to discuss about.

Through working on cooperative integration of design methodology, my essay reveals a few thoughts about congregate and segregate phenomenon.

"Morphing morpheme – Bits, Beats and Pleats" indicates ideas of semantic character in my design works.

"Morphing" stands for an animated process transforming from one object to another.

"Morpheme" means the smallest unit that has meaning in linguistic domain.

And,

Bit is the image unit that co-construct in certain arrangement to show the entire bitmap in digital photograph.

Beat represents the sound density at some interval of time.

Pleat is the productive wrinkle in the becoming from planar sheet to 3 dimensional skin which envelopes space.

Overall,

this essay puts more emphasis on the direction that digital era might lead me to in architecture design.

Instead of producing one specific and mono building type,

I try to develop a sound but open "nomadic designology" to deal with dynamic circumstances and events in further future.

_Preface

Involve as many people as possible,
ensure that the various desires converge,
allow yourself to be carried along,
lead the overall project leaving no one aside,
combine knowledge and materials,
bring in the user before the construction is completed,
allow him to finish, transform, maintain and,
in turn,
pass things on.

Patrick Bouchain



Bits

A bit is a binary digit, taking a value of either 0 or 1, also a unit of measurement, the information capacity of one binary digit.



: Architectural multi-linkage

Reading preface

notional drawing >

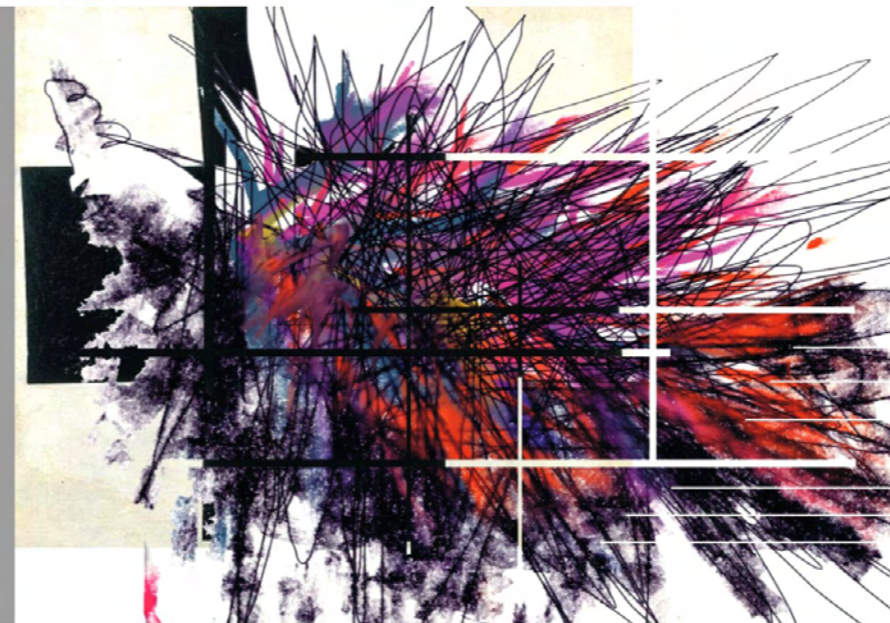
".....I imagined it erased by rice field or beneath the water;
I imagined it infinite, no longer composed of octagonal kiosks and returning paths,
but of rivers and provinces and kingdoms...I thought of a labyrinth of labyrinths,
of one sinuous spreading labyrinth that would encompass the past and the future
and in some way involve the stars.....",

Cited from The Garden of Forking Paths, Jorge Luis Borges, 1941

This paragraph reveals an idea of

Field of Scale, Distribution and Re-territorialization.

Bitscape_Amphibious Ranch_Field of Infiltration



concept diagram





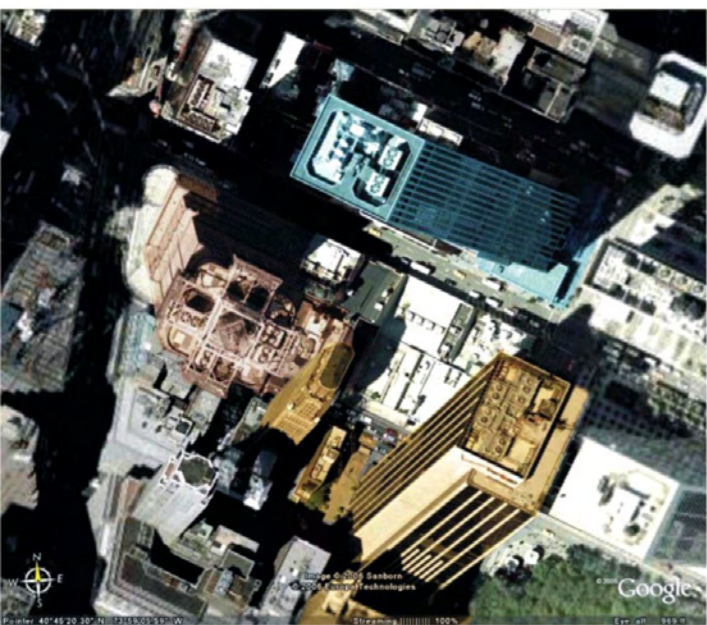
Graphic Gap

Resolution differences make boundaries visible

The greater the difference is, the more obvious the cracks are.

This notion could be seen as the **field condition of different scales**

Graphic Context ^



Invisible but Tangible

All the graphics are shot in different time, angle, orientation and condition.

With nearly the same resolution, the local maps are pieced **seamlessly**.

This fact implies that different field conditions might be converged

as long as they all have **some united performance in common**.

And this performance representation could be a kind of

spatial element, program property or object type.

