觀察新竹的歷史發展，發現了一條不明的軌跡毫不留情的穿過一些建筑，造成了都市空間上的差異。一座漂浮在原本軌跡上的房子和一條企圖重新聯繫兩旁空間的廊道都在試圖修補這之間的差異。
Evolution of The Natural Community: Nexus betwixt natural and artificial environment

This project not only aims to learn from nature but also attempts to define the prototype according to the parametric alterations; therefore, the potentiality would be stirred up and further expanded by means of infusing the computational capacity.

本設計案的目的除了反應在大自然的形態學外，思考是否能用清晰的數學結構模型來定義形態的原型（prototype）透過數化的推導，解開數位與建築潛能的相互聯繫性。
How does mathematics control the growth of organism is another mystery (or you can call it the second mystery). Without the norm of mathematics, we will never reveal the mystery of the incredible life world... Life is not only related to gene...
Concept
Learning from nature

地球在形成之时上帝就创造了各种生物，而且每种生物自始至终没有改变。达尔文不是无神论者，他得到的神学学位，但他说他见到的多样的生物形态已经开始困扰他了........

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Graduate Institute of Architecture
Natural Evolution

Prototype
The initialization of the prototype was defined through certain distinct algebra and formulae.

By means of these prototypes, regulations for the evolution are articulated. Notwithstanding the identical prototypes, these individuals could still generate diverse offspring respectively.
Domicile/Playhouse
/Music-house
site: Cave dwellings in northwest CHINA

Process
Regarding the nexus betwixt inhabitants and the residential environment, an entirely novel form would be generated from the interaction of globalization and regionalization on this distinctive site. More specifically, such a scheme is manipulated as a complex system, which integrates all the relevant circumstances, rather than a pure totem.
Process
The attributions of every unit in this project are first determined from the original spatial characteristics of cave dwellings and the regional climate circumstances. Subsequently, these bases are utilized and mixed as specific parameters to evolve the post-cave-dwelling landscape in this project.

Prototype

\[ G(u,v) = \begin{bmatrix} U \\ V \end{bmatrix} \]

\[ F_{\text{map}} = \begin{bmatrix} V_0 \cdot \sin(v_2) \cdot \cos(v_1) \\ V_0 \cdot \sin(v_2) \cdot \sin(v_1) \\ V_0 \cdot \cos(v_2) \end{bmatrix} \]

N = createmesh(\( G, 0, 5\pi, 0, \pi, 40, \text{fmap} \))
Evolution of The Natural Community: Nexus betwixt natural and artificial environment

自然与人造自然—一种自然聚落的演化
Process
By preserving these cave dwellings for a start and then infusing new functions, architecture is no more an extraneous individual but a further evolution and extension of the current environment.
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