The Impact on Final Sculpture by the Sequence of Parts Exemplified by the Chinese Character " Well" Type structure in

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ABSTRACT

The human brain is a self-organizing system. The information works like a body of water poured into a pile of sand and creating ditches. For example, the first stream of water creates a ditch, and the second stream will follow the ditch but deepening the level of it, and maybe creating another new ditch occasionally. And so on, the more water poured in hereafter which will only affect the depth of the ditch and more unlikely to create new ditches. This phenomenon indicates that the order of information entering the human brain does make a significant amount of differences. This research project uses the " " type shape of DefiZen Bricks from France, comparing the two results of fixed and random sequences to see whether or not the order influences the final " " type pattern. We invited twenty participants for this project; everyone was given individually with a fixed and random order to builds the blocks-. Because the rule of building " "," " and overlapped " E" type shapes are built with two blocks at a time, so the participants were given two blocks on each step. The experimental results will be compared and arranged by the similarity of the standard " " type shape by using KJ method and output the gathered result with Dendrogram to conclude if the theory works or not. A total of five reviewers were participated in the evaluation. This experiment records an eighteen properly assembled results and two incorrect results with fixed order, but the incorrect two groups only differ in the convex angle mismatch against the standard combination, therefore the difference is very small. On the other hand, the random order combinations were all incorrect. This research may be applied in " " type buildings, because the capability of anti-shock it possesses. Therefore in the future, this research on fixed order sequence could help in various ways in constructing congregated dwelling house, by providing the correct order to build. In the assembling process of the congregated dwelling house, the most unique is the part when it's assembled with two pieces at a time.

Keywords : DefiZen   Rhino   " "type building   congregation   Dendrogram

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