THE STUDY OF THE Y-PATTERN IN NATURE
The Concepts Behind it
and its Application and Implications in Architecture and Planning

by

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ABSTRACT

Architecture today is in a state of flux with many subjective theories trying to guide it. Nature however provides for a valuable source of inspiration and strategies that the architect can use. Nature is objective and not clouded by the egos and agendas of man and social constructs. The particular choice of subject of study in nature is the Y-pattern. This is a term coined by the author that describes a common thematic configuration, or pattern that often presents itself in nature in varied circumstances.

The objective of this study is then to delve deeper into nature's Y-pattern and discover the concepts behind it. Having found and understood these concepts, an attempt to map these concepts over architecture will then be undertaken. The application and implications of these strategies towards architecture and planning will be explored.

The methodology of study would rely on literature reviews as a main source of information on nature, as well as empirical observation of design in nature. Subsequently, simple calculations and explorative experiments would be carried out to further furnish additional information which may inform the eventual reduction to practice of these strategies presented by the Y-pattern.

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