



PatternDynamics™

deep sustainability design

PatternDynamics™ Level II Training: Pattern Definitions

Learning the principles of
sustainability through the
patterns of nature

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Rhythm



Repetition



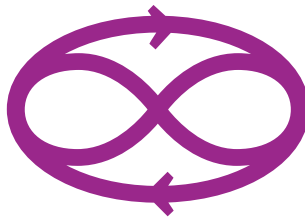
Resonance



Swing



Enantiodromia



Rhythm



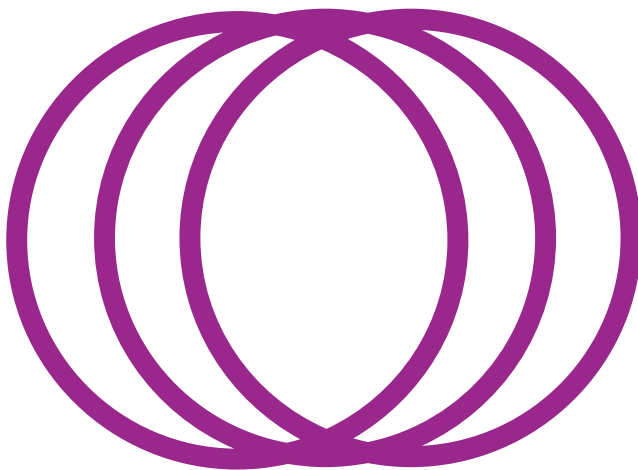
Cadence



Synchronisation



Pulse



Repetition

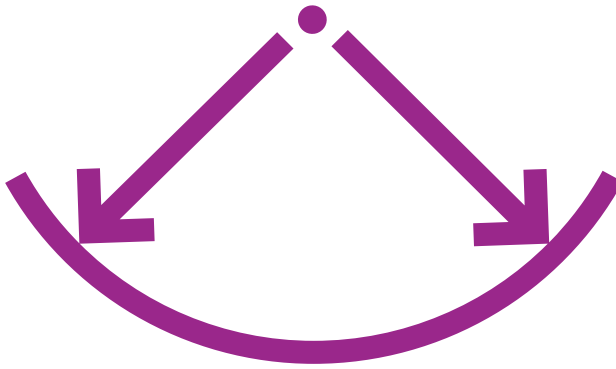
Recurrent Order

Description:

The Repetition Pattern represents simple ongoing recurrences in both time, as repeated processes, and in space, as repeated forms. It is one aspect of the more foundational First Order Pattern, Rhythm. Repetition demonstrates an energetic savings through the ability to reliably reproduce functionality. The reliability and energy savings of Repetition must be balanced with the need to change and adapt, which requires variation and risk to reliability. The role of Repetition is to provide reliability.

Principle:

The principle of simple recurrence: the enduring health of any system depends on the appropriate balance and integration of the reliability of the repetition of functional processes and forms and the need for variation that helps adapt those processes and forms to changing circumstances, for a given context.



Swing

Iterative Extremes

Description:

The Swing Pattern represents the repeated movement toward one polar position and then back towards the opposite pole. It is one aspect of the more foundational First Order Pattern, Rhythm. Swing demonstrates the iteration back and forth around a desired middle position in service of maintaining a dynamically balanced state or direction. Swing must be balanced so that movements do not become too extreme, causing instability, or too frequent, causing a loss of too much energy due to constantly switching states. The role of Swing is to maintain dynamic stability.

Principle:

The principle of dynamic stability: the enduring health of any system depends on the appropriate balance and integration between the size of the swings to extremes and the frequency of adjustments around the middle path, for a given context.



Cadence

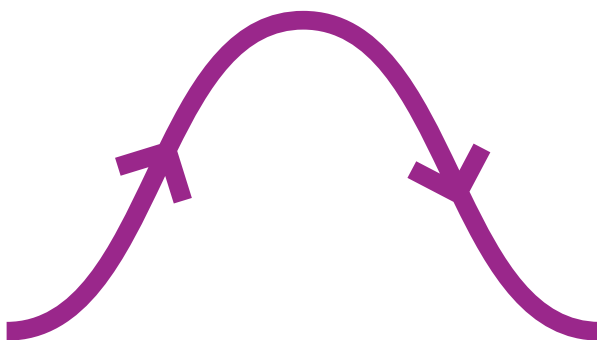
Rhythm Structures

Description:

The Cadence Pattern represents the structuring of rhythms within systems. Cadence is one aspect of the more foundational First Order Pattern, Rhythm. Cadence demonstrates the complex structuring in time that coordinates elements and processes within systems. The capacity for structural complexity within Cadence must be balanced with the need to keep the architecture of systemic rhythms simple and followable. The role of Cadence is to provide complex rhythmic programming.

Principle:

The principle of complex timing: the enduring health of any system depends on the appropriate balance and integration of rhythmic complexity with rhythmic simplicity, for a given context.



Pulse

Flow Surges

Description:

The Pulse Pattern signifies the repeated rhythmic surges of activity related to resource flows and exchanges. Pulse is one aspect of the more foundational First Order Pattern, Rhythm. Pulse demonstrates the increase, peak and decline in the rate of resource recovery and exchanges within systems. The capacity to maximize the rate of growth of flow exchanges needs to be balanced with minimizing the adaption required after the peak when decline sets in. The role of Pulse is to maximize exchange flows sustainably.

Principle:

The principle of peaks: the enduring health of any system depends on the appropriate balance and integration of the rate of increase in resource flows and exchanges pre-peak and the rate of decline in those flows and exchanges after the peak, for a given context.



Synchronization

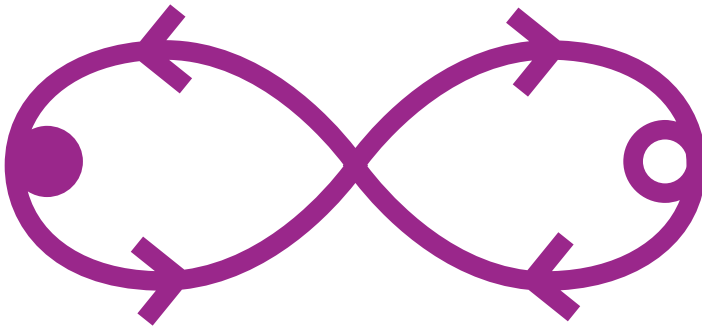
Mesh-Works

Description:

The Synchronization Pattern represents the creative inter-meshing of elements and processes in time. Synchronization is one aspect of the more foundational First Order Pattern, Rhythm. Synchronization connects elements into arrangements that facilitate their optimal order in the flow of systemic processes. The capacity to creatively arrange elements and their interrelationships within a process must be balanced with the need for stable systemic functioning. The role of Synchronization is to find optimal arrangements of interconnections of the parts of a process.

Principle:

The principle of creative interconnections: the enduring health of any system depends on the appropriate balance and integration of creative arrangements of elements and activities with simpler, but more stable, arrangements, for a given context.



Enantiodynamia

Emergent Oppositions

Description:

The Enantiodynamia Pattern signifies the force exerted by extreme movements on the emergence and growth of their opposites. Enantiodynamia is an aspect of the more foundational First Order Pattern, Rhythm. Enantiodynamia demonstrates the emergence of a dynamic that swings a system back towards balance after a movement to, or period of, extremes. The need for the emergence of a corrective dynamic must be balanced such that the force of the movement does not cause more harm than good. The role of Enantiodynamia is to birth the emergence of corrective dynamics.

Principle:

The principle of emergent opposites: the enduring health of any system depends on the appropriate balance and integration of the energy of emergent corrective dynamics such that they are generative rather than degenerative process.



Resonance

Field Vibrations

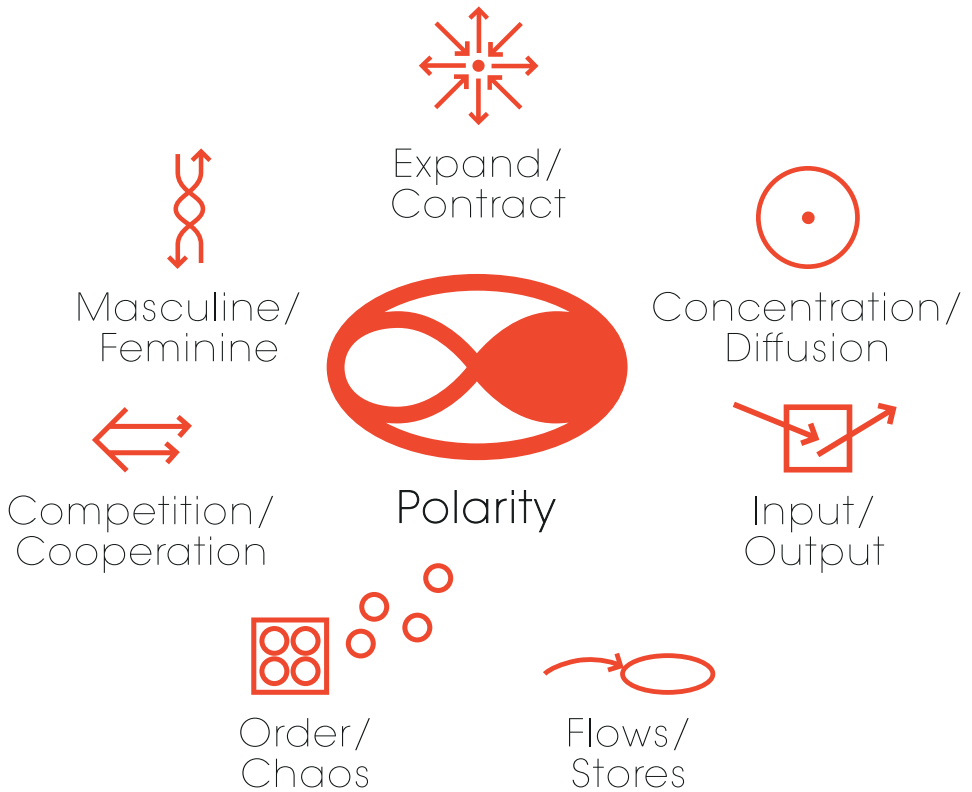
Description:

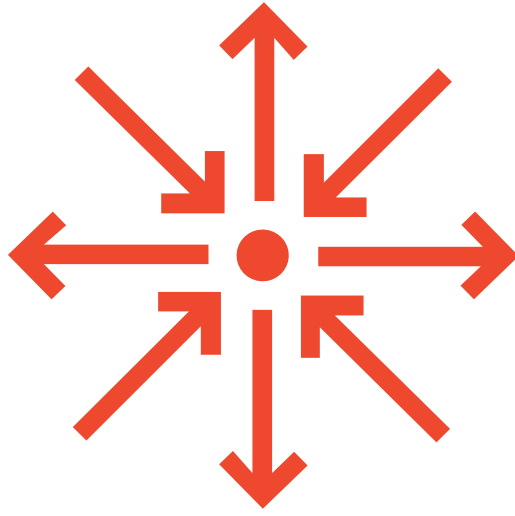
The Resonance Pattern represents the sympathetic coordination of elements within a system. Resonance is one aspect of the more foundational First Order Pattern, Rhythm. Resonance demonstrates how parts of a system organise harmoniously through fields of subtle interconnections. The strength of the resonant field must be balanced so that elements are coordinated through harmonic influences, but retain the ability for concurrent independent expression. The role of Resonance is harmonic coordination.

Principle:

The principle of field harmonics: the enduring health and evolution of any system depends on the appropriate balance and integration of the influence of the harmonic field with the capacity for independent expression.

Polarity





Expand/Contract

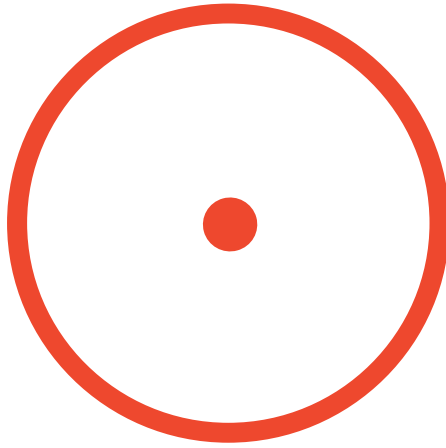
Rhythmic Duality

Description:

The Expand/Contract Pattern signifies a fundamental duality or opposition within any rhythmic movement or event. It is one aspect of the more foundational Pattern, Polarity. Expand/Contract demonstrates the relationship and interplay between the growth phase and the decline phase of any repeated activity or process. The duration and force of any growth phase must be balanced with the duration and force of its decline phase. The role of Expand/Contract is to liberate energy through rhythmic interplay.

Principle:

The principle of rhythmic interplay: the enduring health of any system depends on the appropriate balance and integration of any expansive movement with its related contractive movement, for a given context.



Concentration/Diffusion

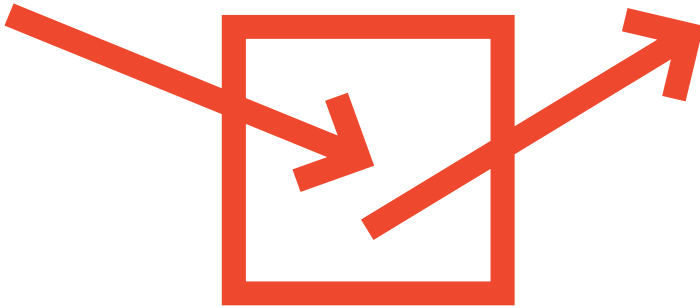
Primordial Duality

Description:

The Concentration/Diffusion Pattern signifies a foundational duality within systems. It is one aspect of the First Order Pattern, Polarity. Concentration/Diffusion demonstrates the importance of concentrated, interconnected centers of activity that are supported by and in turn support surrounding areas of less concentrated interconnectedness, but more abundant, resources. The dedication of resources to the concentrated center must be balanced with the capacity of the outlying areas to supply resources sustainably. The role of Concentration/Diffusion is to leverage the advantages of intensive centers of production, creativity, and exchange.

Principle:

The principle of complex interconnections: the enduring health of any system depends on the appropriate balance and integration of the flow of resources to concentrated centers with the necessity for the advantages generated in those centers to be distributed to nurture and support the activities of the supplying hinterlands.



Input/Output

Polarity Structure

Description:

The Input/Output Pattern signifies a dualism in systemic structuring. It is one aspect of the more foundational First Order Pattern, Polarity. Input/Output demonstrates the relationship and interplay between the resources a system needs to function and the wastes it must emit to remain healthy. The inputs to a system must be balanced with other systems' capacity to supply them as their outputs, and a system's outputs must be balanced with the ability of other systems to take them as their inputs. The role of Input/Output is to process resources.

Principle:

The principle of waste resources: the enduring health of any system depends on the appropriate balance and integration of the input of resources with the output of wastes, for a given context.



Flows/Stores

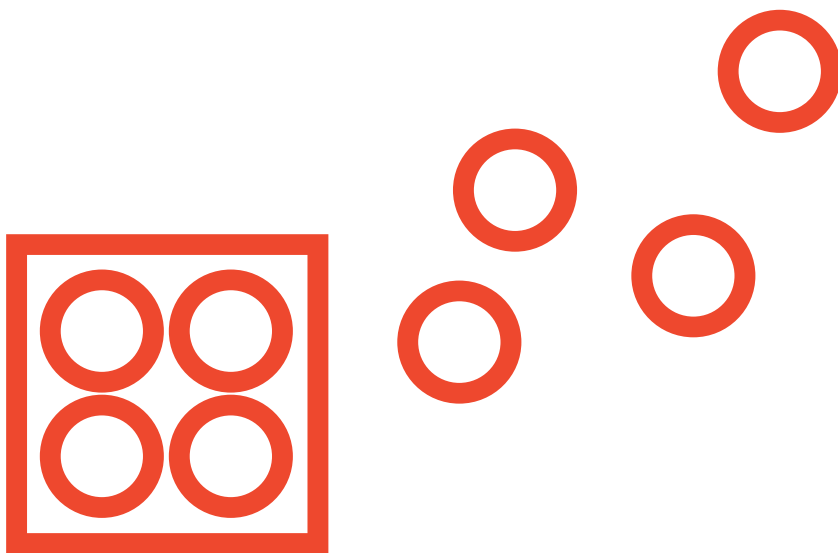
Exchange States

Description:

The Flows/Stores Pattern represents the dualistic form of exchangeable resources. It is one aspect of the more foundational Pattern, Polarity. Flows/Stores demonstrates the relationship and the interplay between moving resources in the process of exchange and accumulated reservoirs that may be liberated to augment flows. The amounts in stores must be balanced against the amount and reliability of flows. The role of Flows/Stores is to ensure the uninterrupted capacity for energetic and material exchanges.

Principle:

The principle of augmented flows: the enduring health of any system depends on the appropriate balance and integration of the amount of resources in flow with the amount of resources held in stocks, for a given context.



Order/Chaos

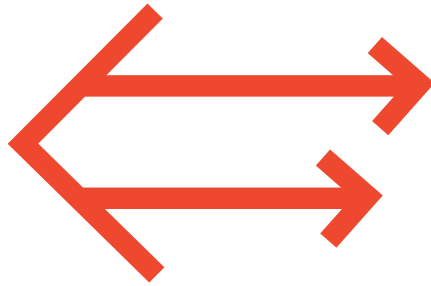
Creative Polarity

Description:

The Order/Chaos Pattern represents the oppositional dynamics at work in the creative process. It is one aspect of the more foundational First Order Pattern, Polarity. Order/Chaos demonstrates the relationship and interplay between states of orderly functionality and states of breakdown and irregularity. Orderly states must be balanced against periods of breakdown that allow the rearrangement of previously fixed elements into new, more appropriate forms. The role of Order/Chaos is to facilitate adaptation and evolution.

Principle:

The principle of creative breakdown: the enduring health of any system depends on the appropriate balance and integration of periods of structured function with periods of breakdown and reorganisation, for a given context.



Competition/Cooperation

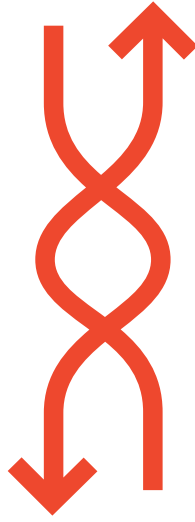
Dynamic Polarity

Description:

The Competition/Cooperation Pattern signifies a fundamental duality at the systems level. It is one aspect of the more foundational First Order Pattern, Polarity. Competition/Cooperation demonstrates the relationship and interplay between individual striving for supremacy and group collaboration for mutual assistance. The performance gains from competitive dynamics need to be balanced with the synergies of cooperative interactions. The role of Competition/Cooperation is to enhance functionality at the systems level.

Principle:

The principle of competitive cooperation: the enduring health of any system depends on the appropriate balance and integration competitive striving and cooperative synergies, for a given context.



Masculine/Feminine

High Polarity

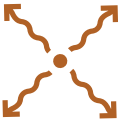
Description:

The Masculine/Feminine Pattern signifies the integrated duality of agentic, individual striving and communal, group collaboration. It is one aspect of the more foundational Pattern, Polarity. Masculine/Feminine demonstrates the relationship and interplay between agentic action and communicative inclusion. Initiative taking and timely action must be balanced with the communication and inclusiveness required for initiatives to be supported. The role of Masculine/Feminine is to free up energy through the free functioning integration of action and inclusiveness.

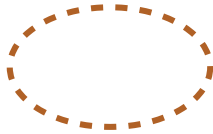
Principle:

The principle of inclusive action: the enduring health of any system depends on the appropriate balance and integration of the masculine orientated proclivity for action with the feminine orientated desire for communication, for a given context.

Structure



Field



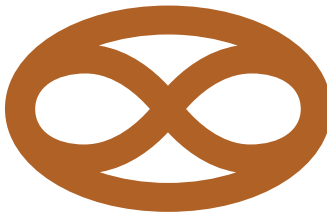
Boundary



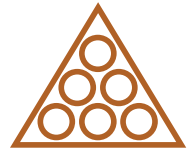
Holon



Holarchy



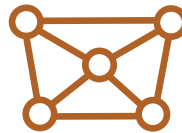
Structure



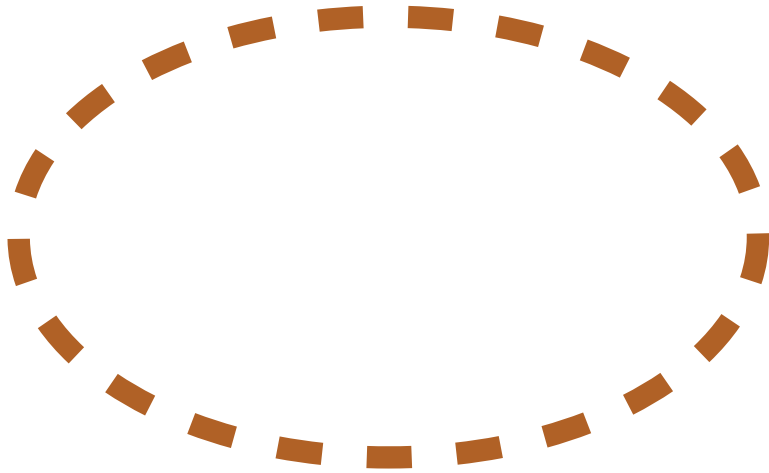
Hierarchy



Co-creation



Metasystem



Boundary

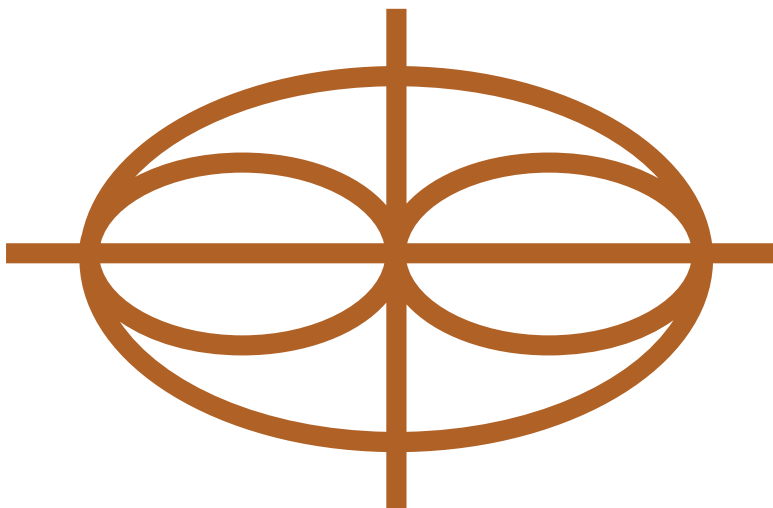
Edge Pattern

Description:

The Boundary Pattern represents the design of the limiting edge of a system. It is one aspect of the more foundational Pattern, Structure. Boundary demonstrates the perimeter frame or border that defines a system and determines what may come into and what may go out of a system. Permeability, which allows the movement of elements into and out of the system, must be balanced with structural integrity, which defines the system through the separation of the elements inside and outside of the system. The role of Boundary is to maintain distinctions.

Principle:

The principle of edge design: the enduring health of any system depends on the balance and integration of structural definition and well designed permeability of edge structures, for a given context.



Holon

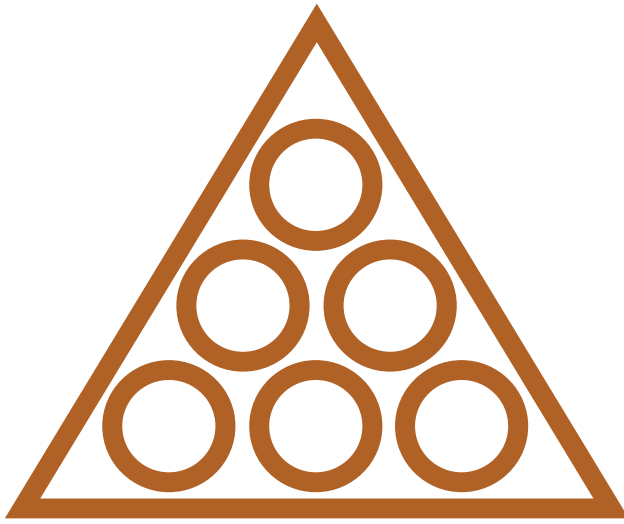
Part/Whole

Description:

The Holon Pattern signifies the fundamental and defining structural duality between parts and their assembly into wholes. It is one aspect of the more foundational Pattern, Structure. Holon demonstrates the role any system plays as a part of larger systems and the role it plays as a whole system composed of parts, which are in turn systems in their own right. A focus on partness must be balanced with a focus on the wholeness of any system. The role of Holon is to illustrate the defining structural relationship of systems.

Principle:

The principle of the part and the whole: the enduring health of any system depends on the balance and integration of a system's role as a part and its identity as a whole.



Hierarchy

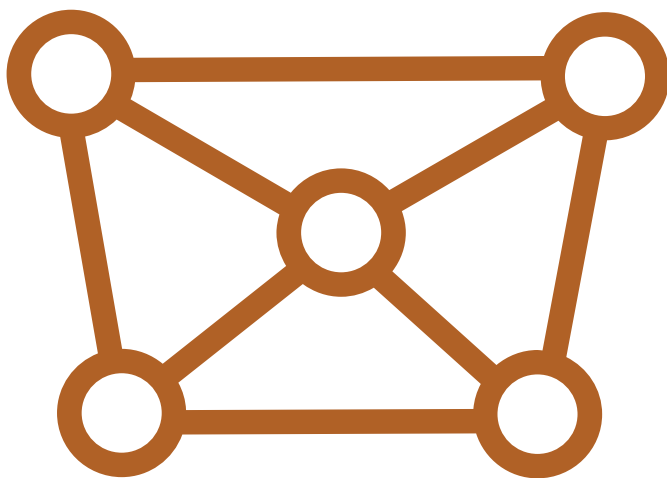
Essential Structure

Description:

The Hierarchy Pattern signifies an essential property of the design of any system. It is one aspect of the more foundational Pattern, Structure. Hierarchy illustrates the ranking of levels of a system based on the number of elements in each level. The concentration of control functions with the few at the top of the triangle must be balanced with the diffusion of influence in the many at the bottom. The role of Hierarchy is to generate a gain based on supporting a concentration of control at the peak and the peak in turn disseminating the gains based on coordinated control to the supporting base.

Principle:

The principle of control as service: the enduring health of any system depends on the balance and integration of the concentrated control at the peak and the more numerous, but more diffuse, supporting influence at the base of any hierarchy.



Network

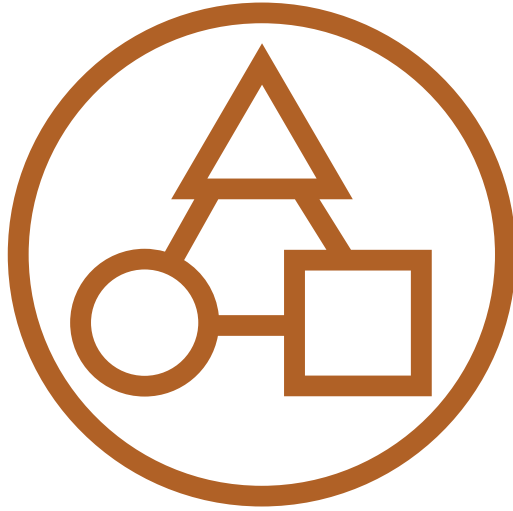
Relational Design

Description:

The Network Pattern signifies the inter-connective architecture of relationships between elements in a system. It is one aspect of the more foundational Pattern, Structure. Network demonstrates the node and pathway organisational pattern. The individuality and independence of nodes must be balanced with the strength of relationships between them. The role of Network is to provide organizational clarity through interconnected distinctions.

Principle:

The principle of nodes and pathways: the enduring health of any system depends on the balance and integration of the strength of relationships with the concentrated integrity of nodes, for a given context.



Complexity

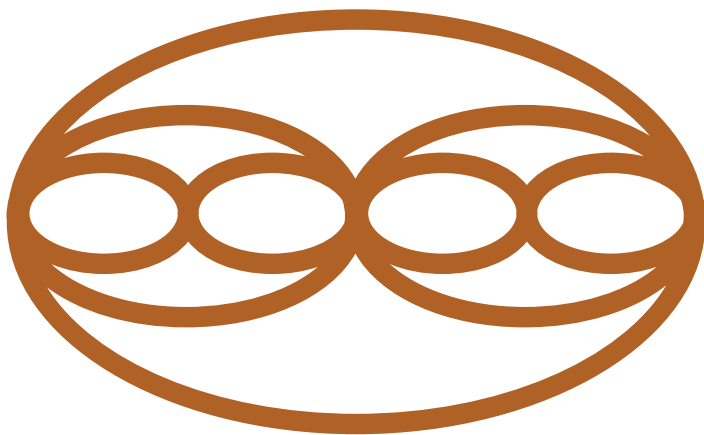
Order Creation

Description:

The Complexity Pattern represents the number of elements and the number of connections between them in a system. It is one aspect of the more foundational Pattern, Structure. Complexity illustrates the structuring of relationships between unique elements of a system. The capacity for numerous unique elements with large numbers of connections needs to be balanced with simpler, more manageable, less complicated arrangements. The role of Complexity is to creatively configure high degrees of order within systems.

Principle:

The principle of interrelationships: the enduring health of any system depends on the balance and integration of large numbers of unique elements in multiple relationships and lesser numbers of elements and relationships, for a given context.



Hierarchy

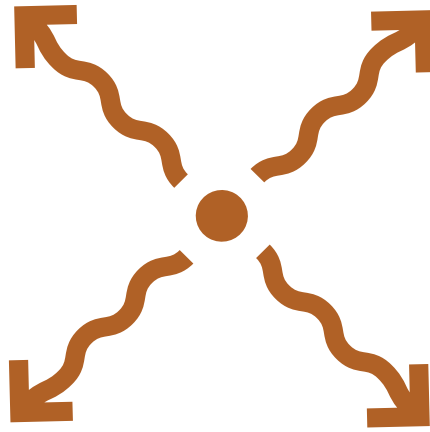
Structural Dynamics

Description:

The Hierarchy Pattern signifies the nested arrangement of systems within systems within systems, ad infinitum, that characterize the architecture of all systems. It is one aspect of the more foundational Pattern, Structure. Hierarchy illustrates the systemic organisational pattern where systems of systems group together to form ever greater more complex systems. The number of levels needs to be balanced with the number of systems at each level. The role of Hierarchy is to maintain order in the dynamics growth of complexity.

Principle:

The principle of nested levels: the enduring health of a system depends on the balance and integration of the number of levels and the number of systems at each level, for a given context.



Field

Resonance Structure

Description:

The Field Pattern represents resonant shaping forces, some of which may be difficult to explain given our current level of understanding. It is one aspect of the more foundational Pattern, Structure. Field illustrates subtle resonant influences that shape similarities in order between seemingly unrelated structural forms. Reliance on subtle influences needs to be balanced with the use of more concrete structural elements and forms. The role of Field is to provide the subtle resonant patterns that order parts into classes of recognisable wholes.

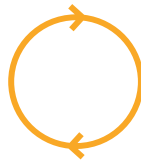
Principle:

The principle of subtle structures: the enduring health of any system depends on the balance and integration of the subtle patterning of structures with more concrete structural elements and forms, for a given context.

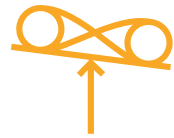
Exchange



Flow



Cycle



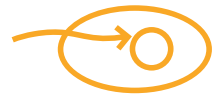
Balance



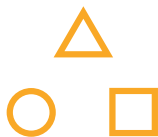
Process



Exchange



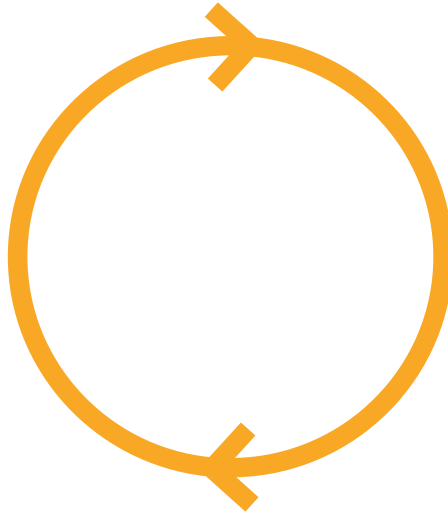
Capture



Uniqueness



Trade



Cycle

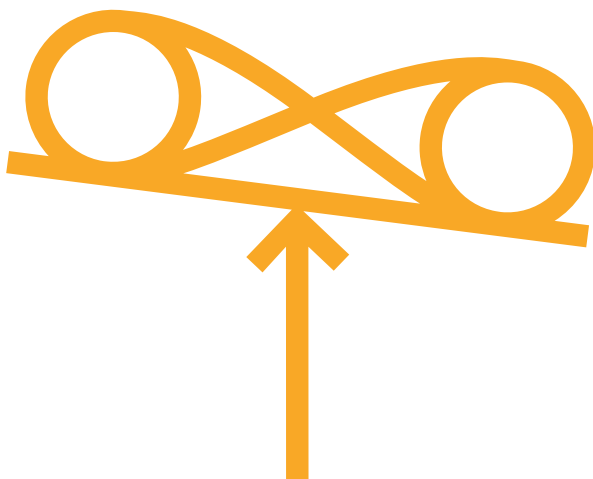
Exchange Phases

Description:

The Cycle Pattern represents the circuit of phases involved in the interchange processes that characterize the operation of a system. It is one aspect of the more foundational Pattern, Exchange. Cycle illustrates the rhythmic, repeated sequence of actions that form an iterative circuit in trade flows. The duration and activity level of the phases needs to be balanced to ensure free flowing exchanges. The role of Cycle is to provide a sequence of repeated phases in any process.

Principle:

The principle of cyclic exchanges: the enduring health of any system depends on the balance and integration of the phases in the iterative circuit of any exchange process, for a given context.



Balance

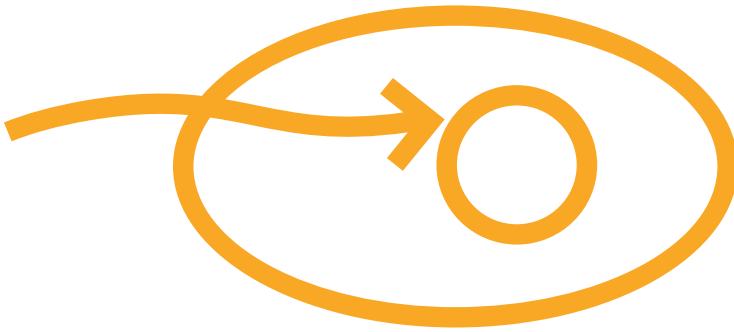
Relational Duality

Description:

The Balance Pattern signifies the dynamic equilibrium of relational reciprocity. It is one aspect of the more foundational Pattern, Exchange. Balance illustrates the energy generated through reciprocal giving and receiving in trade between elements of a system. Giving must be dynamically balanced with receiving. The role of Balance is to generate systemic energy through exchanges.

Principle:

The principle of equitable exchange: the enduring health of any system depends on the dynamic equilibrium between giving and receiving, for a given context.



Capture

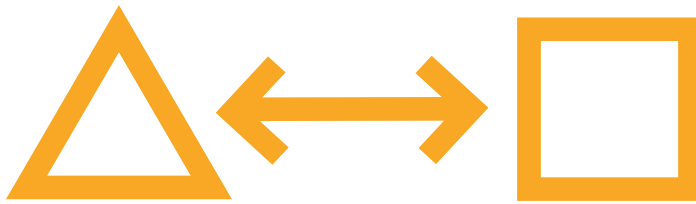
Flow Container

Description:

The Capture Pattern represents the structure required to obtain a yield from a flow outside the system. It is one aspect of the more foundational Pattern, Exchange. Capture illustrates the conversion of a flow that has entered the system boundary into a structure or resource of the system itself. The capture of flows needs to be balanced with the structural capacity of the system to convert flows into resources. The role of Capture is to acquire resources for the system.

Principle:

The principle of obtaining a yield: the enduring health of any system depends on the balance and integration of the capture of flows with the structural capacity to convert them, for a given context.



Trade

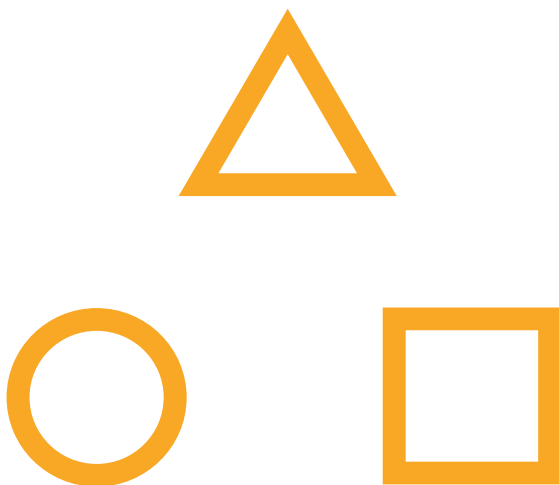
Essence of Exchange

Description:

The Trade Pattern signifies simple reciprocation. It is one aspect of the more foundational Pattern, Exchange. Trade demonstrates the reciprocal exchange of the unique resources of one element with the unique resources of another element. The amount and value of resource moving in both directions must be balanced with each other. The role of Trade is to improve the productivity of all elements of a system by supporting specialization.

Principle:

The principle of reciprocity: the enduring health of any system depends on the balance and integration of the exchange of different resources between unique elements, for a given context.



Uniqueness

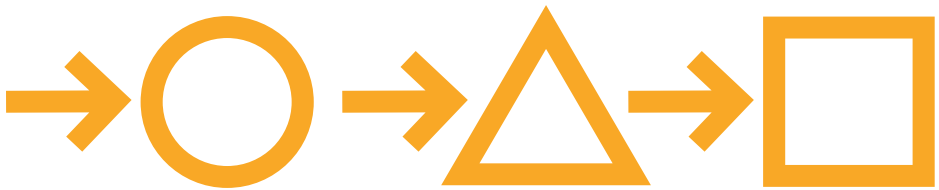
Exchange Creation

Description:

The Uniqueness Pattern signifies difference between elements. It is one aspect of the more foundational Pattern, Exchange. Uniqueness demonstrates the variations in form that create distinctness between the elements and processes of a system. The amount of variation and differentiation must be balanced with the repetition of similar forms and processes. The role of uniqueness is to provide differentiation in form and function.

Principle:

The principle of essential distinctions: the enduring health of any systems depends on the balance and integration of differentiation and similarity of form and function, for a given context.



Process

Operation Dynamics

Description:

The Process Pattern represents linear stage by stage development through a sequence of steps. It is one aspect of the more foundational Pattern, Exchange. Process illustrates the development of value through stages where an element is added to and transformed at each step. The amount of steps must be balanced with the amount of value being created. The role of Process is to create value through sequential development.

Principle:

The principle of developmental process: the enduring health and evolution of any system depends on the appropriate balance and integration of the number of steps in a process with the level of value creation, for a given context.



Flow

Source Stream

Description:

The Flow Pattern signifies the emanation of a resource. It is one aspect of the more foundational Pattern, Exchange. Flow illustrates a variable continuity of energy or resource from a generative source. The size and force of the flow must be balanced with its reliability. The role of Flow is to support the sustained creation of value.

Principle:

The principle of generative sources: the enduring health and evolution of any system depends on the appropriate balance and integration of the amount of flow with its reliability, for a given context.

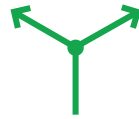
Creativity



Elegance



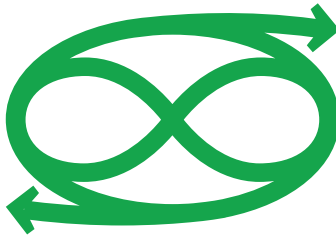
Seed



Bifurcation



Evolution



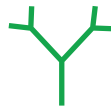
Creativity



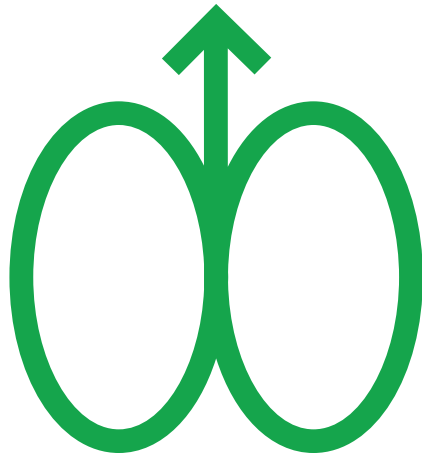
Adaptation



Emergence



Growth



Seed

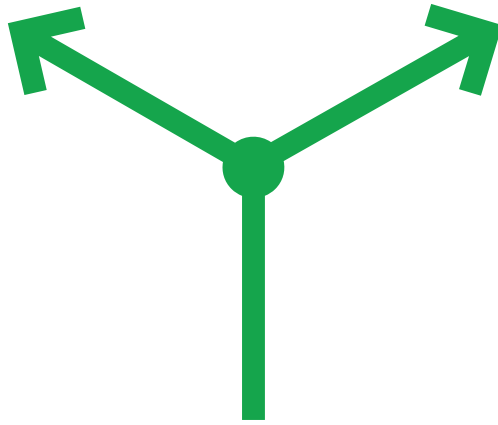
Emergent Creation

Description:

The Seed Pattern signifies the repeated emergence of creative beginnings. It is one aspect of the more foundational Pattern, Creativity. Seed demonstrates the rhythm that perpetuates the creative process through new opportunities to grow, adapt, change and evolve. The frequency of the creation of seeds needs to be balanced with their viability. The role of Seed is to emerge new opportunities.

Principle:

The principle of viable germination: the enduring health and evolution of any system depends on the appropriate balance and integration of the number of seeds with their viability, for a given context.



Bifurcation

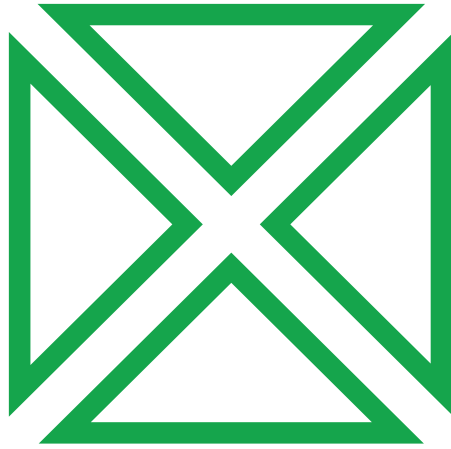
Liminal Creation

Description:

The Bifurcation Pattern signifies the point at which a state change takes place. It is one aspect of the more foundational Pattern, Creativity. Bifurcation demonstrates the limit at which the order and operation of a previous state of organisation breaks down, allowing new ordered states to emerge. The frequency and amount of chaotic breakdown leading to bifurcation needs to be balanced with the successful emergence of a new state of order from the many possibilities. The role of bifurcation is to generate new forms of order out of the breakdown at the limits of existing systems operation.

Principle:

The principle of creative chaos: the enduring health and evolution of any system depends on the appropriate balance and integration of the depth of chaos with the value of new order, for a given context.



Adaption

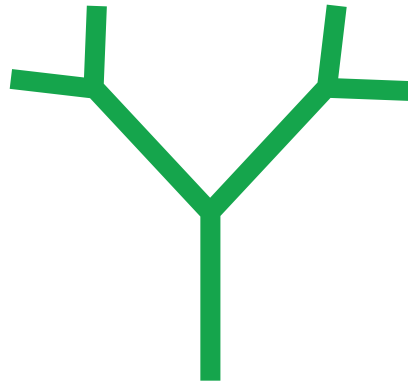
Structural Adjustments

Description:

The Adaptation Pattern signifies structural alterations within existing frameworks. It is one aspect of the more foundational Pattern, Creativity. Adaption demonstrates the modifications that can be incorporated within existing structural arrangements to fit better with changing circumstances and contexts. The extent of adaptations must be balanced with the maintenance of existing frameworks. The role of Adaptation is to adjust existing structures.

Principle:

The principle of structural modifications: the enduring health and evolution of any system depends on the appropriate balance and integration of structural modifications with the functional integrity of those structures, for a given context.



Growth

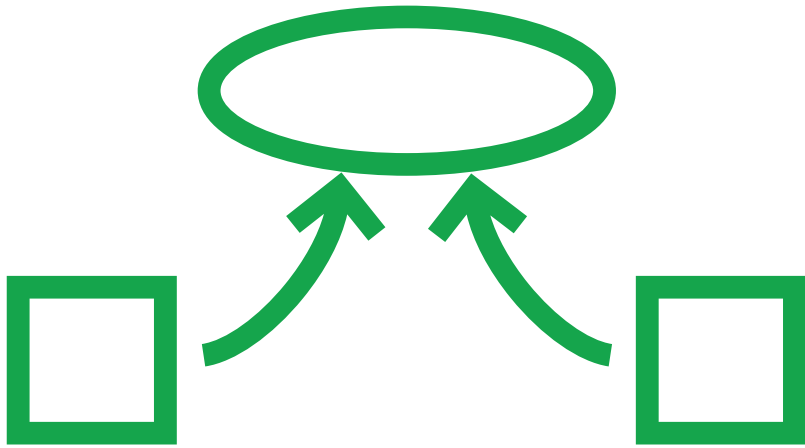
Creative Prosperity

Description:

The Growth Pattern represents developmental increase. It is one aspect of the more foundational Pattern, Creativity. Growth demonstrates compounding additions through cycles of creative exchange between specialised elements of a system. Compounding increases must be balanced with the resources available to meet exponential growth. The role of growth is to create resources for system building.

Principle:

The principle of compound prosperity: the enduring health and evolution of any system depends on the appropriate balance and integration of exponential increase with resource availability, for a given context.



Emergence

Innovative Arising

Description:

The Emergence Pattern represents the moment of creative development. It is one aspect of the more foundational Pattern, Creativity. Emergence illustrates the appearance of a novel form through the recombination and creative fusion of previous forms. The emergence of novel forms must be balanced with the energy available for recombination and fusion. The role of Emergence is to launch new patterns of organisation.

Principle:

The principle of innovative arising: the enduring health and evolution of any system depends on the appropriate balance and integration of the emergence of novel forms with the energy available for fusion and recombination, for a given context.



Evolution

Dynamic Creativity

Description:

The Evolution Pattern signifies the leap to a higher level of complexity. It is one aspect of the more foundational Pattern, Creativity. Evolution illustrates the discontinuity a system undergoes as it makes the transformation to a qualitatively higher level of development. The shift to higher vertical levels of complexity must be balanced with horizontal adaptations at existing levels. The role of evolution is to make developmental leaps.

Principle:

The principle of creative leaps: the enduring health and evolution of any system depends on the appropriate balance and integration of shifts to higher levels of complexity and foundational adaptations at existing levels, for a given context.



Elegance

Creative Grace

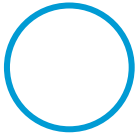
Description:

The Elegance Pattern signifies high sophistication in the creative process. It is one aspect of the more foundational Pattern, Creativity. Elegance illustrates a certain clarity, refinement, economy, and beauty in creativity. Elegance must be balanced with less sophisticated, but more practically orientated forms. The role of elegance is to provide beauty.

Principle:

The principle of beautiful forms: the enduring health and evolution of any system depends on the appropriate balance and integration of beauty and functionality, for a given context.

Dynamics



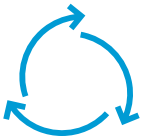
Harmony



Iterate



Agency/
Communion



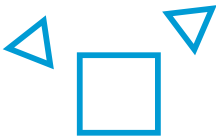
System



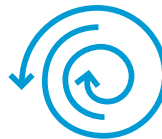
Dynamics



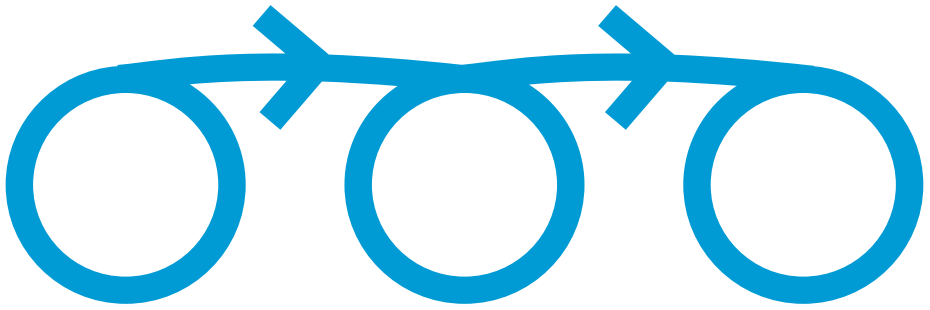
Synergy



Spontaneity



Feedback



Iterate

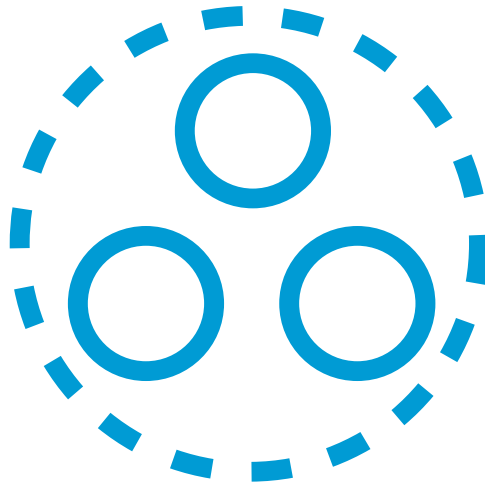
Dynamic Rhythm

Description:

The Iterate Pattern represents repeated cycles. It is one aspect of the more foundational Pattern, Dynamics. Iterate illustrates the process of incremental change and adjustment available to systems through recurrent cycling. The speed of iterations must be balanced with the rate of change required. The role of iteration is to support ongoing incremental adaptations.

Principle:

The principle of cyclic adaptations: the enduring health and evolution of any system is dependent on the appropriate balance and integration of iterative speed and rate of change, for a given context.



Agency/Communion

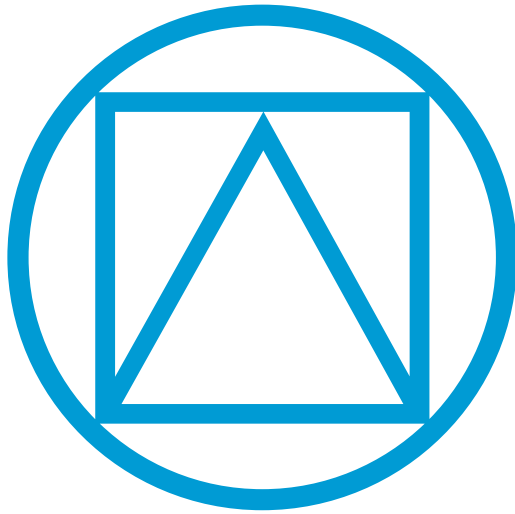
Part/Whole Polarity

Description:

The Agency/Communion Pattern signifies the tension between integration and disintegration. It is one aspect of the more foundational Pattern, Dynamics. Agency/Communion demonstrates the interplay between the dynamic processes of boundary formation, which integrates parts into wholes, and the dissolution of boundaries which dis-integrate wholes into constituent parts. The rate of boundary formation and dissolution needs to be balanced with the strength of the requirement to work individually as parts or communally as wholes. The role of Agency/Communion is the creation and dissolution of systems.

Principle:

The principle of formative boundaries: the enduring health and evolution of any system depends on the appropriate balance and integration of boundary formation and boundary dissolution, for a given context.



Synergy

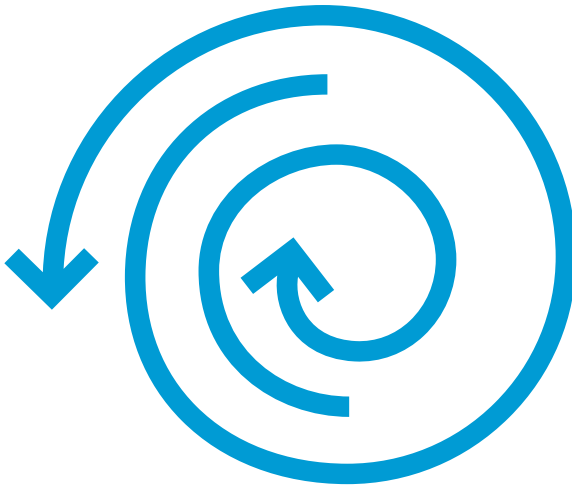
Dynamical Structures

Description:

The Synergy Pattern signifies a benefit through combination. It is one aspect of the more foundational Pattern, Dynamics. Synergy illustrates the dynamic structural coupling that leads to the whole being greater than the sum of its parts. Synergetic integrations must be balanced with the loss of functional diversity. The role of Synergy is to provide a functional multiplier.

Principle:

The principle of structural integration: the enduring health and evolution of any system depends on the appropriate balance and integration of the synergies of dynamic structural integration and the diversity of function, for a given context.



Feedback

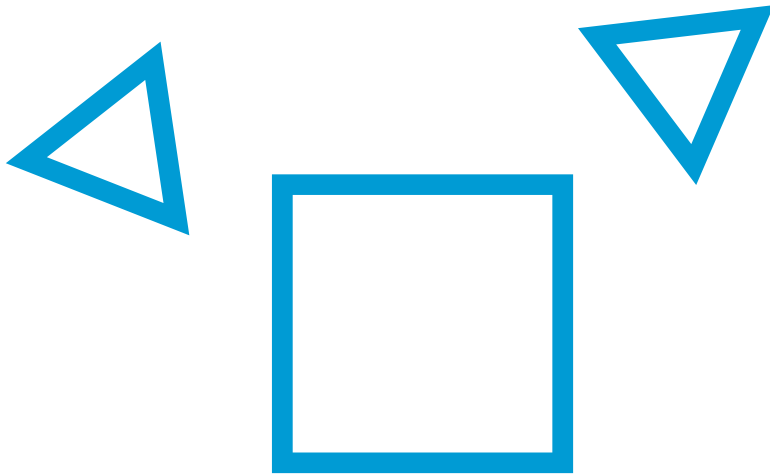
Adjustment Dynamics

Description:

The Feedback Pattern signifies dynamic adjustments. It is one aspect of the more foundational Pattern, Dynamics. Feedback illustrates any process that acts on itself to either increase or decrease an activity level through a causal loop. The rate and strength of feedback looping needs to be balanced with the level of adjustment required. The role of Feedback is to make dynamic adjustments.

Principle:

The principle of causal loops: the enduring health and evolution of any system depends on the appropriate balance and integration of the amount of feedback with the size of adjustments, for a given context.



Spontaneity

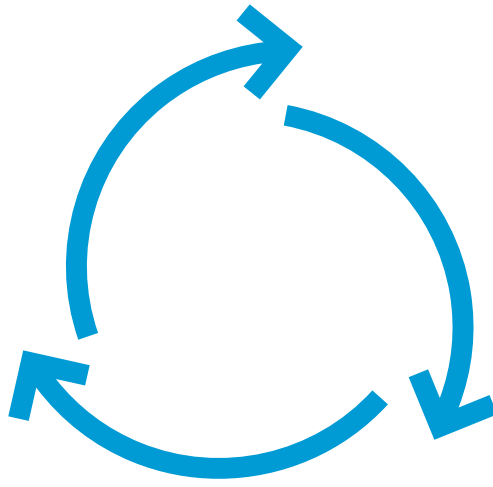
Dynamic Response

Description:

The Spontaneity Pattern signifies coordinated impromptu reaction. It is one aspect of the more foundational Pattern, Dynamics. Spontaneity demonstrates an instantaneous improvisation creating a novel movement or departure that meets a challenge. Spontaneous creative acts need to be balanced with the level of stimulus provoking them. The role of Spontaneity is seamless dynamic adaptation.

Principle:

The principle of impromptu adaptations: the enduring health and evolution of any system depends on the appropriate balance and integration of spontaneous reactions with the size and type system perturbations, for a given context.



System

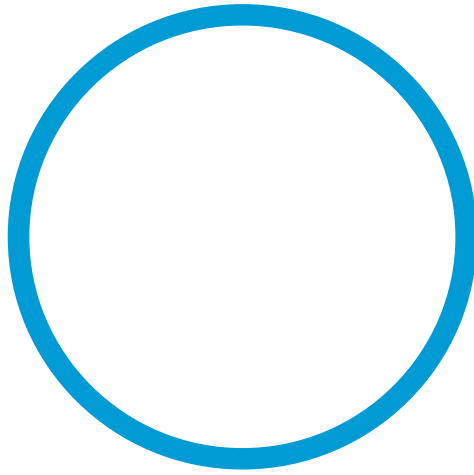
Integrated Dynamics

Description:

The System Pattern signifies the ordered activity of a synergistic whole. It is one aspect of the more foundational Pattern, Dynamics. System illustrates the cycles of activity supported by structures, polarities, rhythms, creative emergence, and relational exchanges of any integrated group of parts forming a dynamically ordered whole. Repeated integrated processes need to be balanced with aspects of randomness. The role of Systems is to maintain complex dynamic order.

Principle:

The principle of dynamic order: the enduring health and evolution of any system depends on the appropriate balance and integration of complex dynamic order and instances of randomness, for a given context.



Harmony

Unity Dynamics

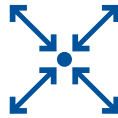
Description:

The Harmony Pattern signifies unified action. It is one aspect of the more foundational Pattern, Dynamics. Harmony demonstrates the complete coordination of the processes of a system. Harmony needs to be balanced with the breakdown of order that allows for the establishment of new systems. The role of harmony is to coordinate systems at the highest level.

Principle:

The principle of unified action: the enduring health and evolution of any system depends on the appropriate balance and integration of dynamic unity and the breakdown of order, for a given context.

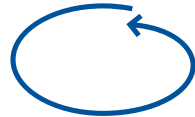
Source



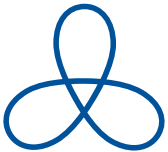
Energy



Void



Resource



Pattern



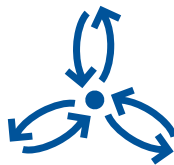
Source



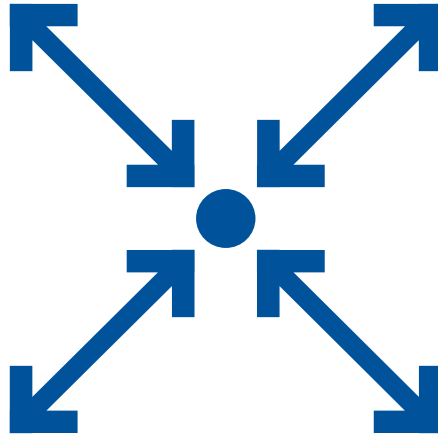
Transformity



Autopoiesis



Power



Energy

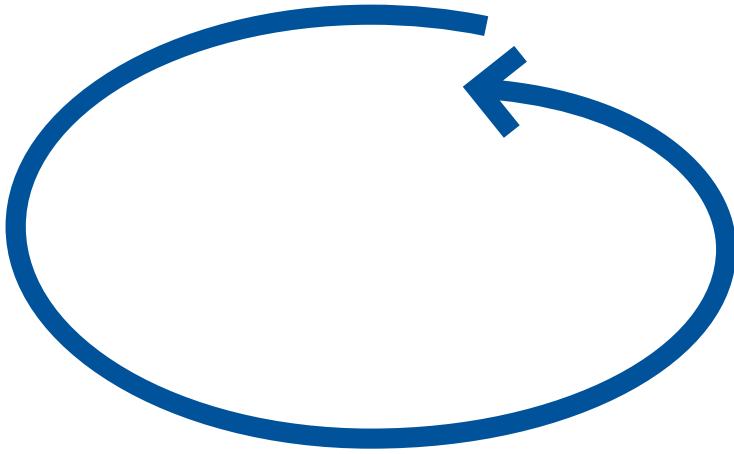
Ground Transformations

Description:

The Energy Pattern represents the fundamental animating force of reality. It is a Second Order aspect of the central and most foundational Pattern in the Patterndynamics™ system, Source. Energy is a measure of the foundational rhythmic vibration exerting a force on entities in the space/time field and the subsequent qualitative transformations and changes it induces. Energy use must be balanced with its availability. The role of Energy is to drive dynamic change and transformation processes that enable complex order within systems.

Principle:

The principle of dynamic transformation: the enduring health and evolution of any system depends on the appropriate balance and integration of energy use in driving changes in organisational complexity and its availability, for a given context.



Resource

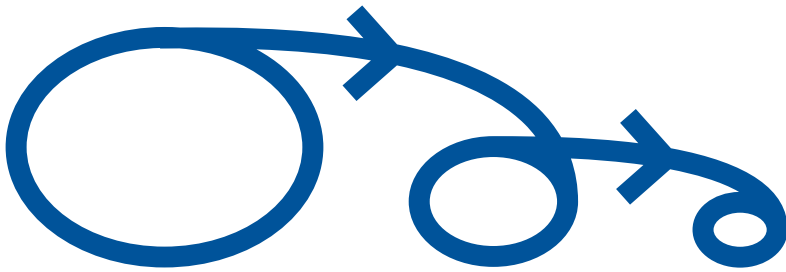
Source Distinctions

Description:

The Resource Pattern signifies the process of transformation of matter/energy. It is a Second Order aspect of the central and most foundational Pattern in the Patterndynamics™ system, Source. Resource demonstrates the conservation of the quantity of energy as it transforms into different forms 're' the source. The number of transformations away from the origin or source must be balanced with the usefulness of the transformational form. The role of transformation is to provide different qualities of matter/energy for unique purposes.

Principle:

The principle of source transformations: the enduring health and evolution of any system is depends on the appropriate balance and integration of the number of transformations and the usefulness of the new form, for a given context.



Transformity

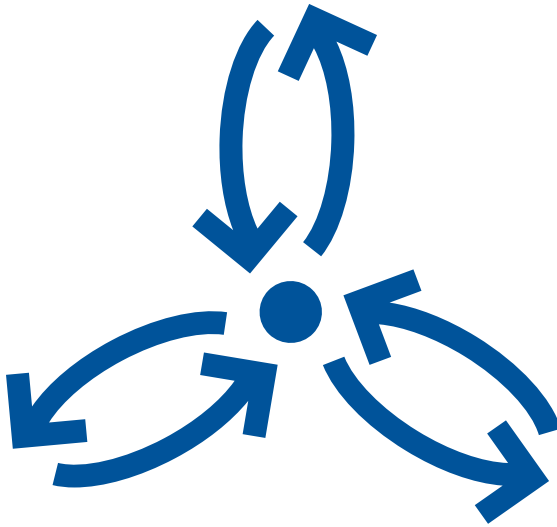
Order Accrual

Description:

The Transformity Pattern represents qualitative complexification. It is a Second Order aspect of the central and most foundational Pattern in the Patterndynamics™ system, Source. Transformity illustrates the process whereby matter/energy resources are transformed through systemic processes into lesser amounts of matter/energy but higher qualitative complexity within the system. Transformity to higher levels of qualitative complexity and therefore functionality must be balanced with resource availability. The role of Transformity is to bring the advantages of structural increases in order that in turn bring functional increases in performance.

Principle:

The principle of complexity creation: the enduring health and evolution of any system depends on the appropriate balance and integration of transformities to higher levels of complexity and available energy, for a given context.



Power

Work Rate

Description:

The Power Pattern signifies productivity per unit time. It is a Second Order aspect of the central and most foundational Pattern in the Patterndynamics™ system, Source. Power demonstrates the rate and efficiency of systemic functioning that determines if a system will hold its resource flow niche among competitors. Work rate must be balanced with the flow rate and reliability of the available resource stream. The role of Power is to provide systemic productivity.

Principle:

The principle of productivity rates: the enduring health and evolution of any system requires the appropriate balance and integration of work rate and resource flow, for a given context.



Autopoiesis

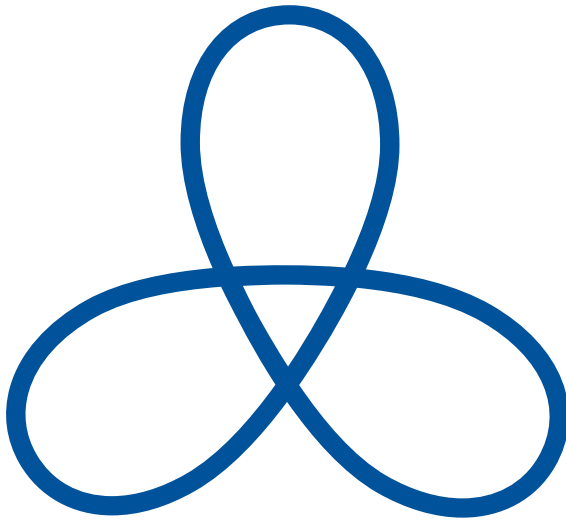
Self Creation

Description:

The Autopoiesis Pattern signifies ongoing self-authoring. It is a Second Order aspect of the central and most foundational Pattern in the Patterndynamics™ system, Source. Autopoiesis demonstrates the maintenance and creative unfolding of a system's unique form and function as it continues to develop. The rate of the self-creating process must be balanced with basic self-maintenance. The role of Autopoiesis is to maintain a unique system of order through creative growth.

Principle:

The principle of creative existence: the enduring health and evolution of any system requires the appropriate balance and integration self-development and self maintenance, for a given context.



Pattern

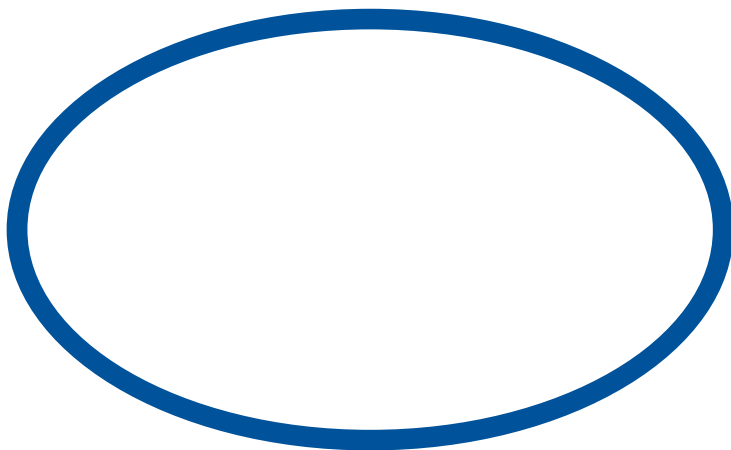
Dynamic Order

Description:

The Pattern Pattern signifies repeated types of order. It is a Second Order aspect of the central and most foundational Pattern in the Patterndynamics™ system, Source. Pattern illustrates recurrent design arrangements that order parts into particular styles of dynamically functioning forms. Restrictive patterns of recurrent dynamically unfolding order need to be balanced with unordered states with high potential for new arrangements. The role of Pattern is to provide successful templates of systemic design.

Principle:

The principle of potential and restrictiveness of form: the enduring health and evolution of any system requires the appropriate balance and integration of restrictive highly patterned forms and unrestricted states of low order, but high potential, for a given context.



Void

Ground Source

Description:

The Void Pattern signifies the foundational ground of universal matter/energy consciousness from which complex ordering unfolds. It is a Second Order aspect of the central and most foundational Pattern in the PatternDynamics™ system, Source. Void illustrates the field of sentient awareness required as the non dual complement to matter/energy in the creation of complex systems of order. Fields of concentrated awareness experienced by entities with complex patterning must be balanced with more diffuse manifestations of consciousness available to less ordered entities. The role of Void is to signify the consciousness necessary for order.

Principle:

The principle of conscious order: the enduring health and evolution of any systems depends on the appropriate balance and integration of concentrated expressions of consciousness associated with complex systems architectures and diffuse expressions of consciousness associated with less complex forms of order, for a given context.