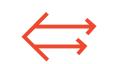


							
	Source	Dynamics	Creativity	Exchange	Structure	Polarity	Rhythm
	Void	Harmony	Elegance				
	Pattern	System					
	Autopoiesis					Order/ Chaos	
	Power					Flows/ Stores	
	Transformity						
	Resource		Agency/ Communication				Concentration/ Diffusion
	Energy		Iterate				Swing

	$\in$ IS	$\subset$ Dynamics	$\cap$ OR	$\subseteq$ Exchange	$\cup$ Structure	$\notin$ NOT	$\emptyset$ EMPTY	
$\exists$ Element	Ground Source	40 Unity Dynamics	Creative Grace	Source Stream	Resonance Structure	High Polarity	Field Vibrations	Unity Existence Perception "ELEMENT"
$\leftrightarrow$ Dynamics	Dynamic Order	42 Integrated Dynamics	Dynamic Creativity	Operation Dynamics	Structural Dynamics	Dynamic Polarity	Emergent Oppositions	Dynamics
$\vee$ Intersection	41 global process of closure (limit cycle, eigen-behaviour, autopoiesis)	Dynamic Response	Innovative Arising	Exchange Creation	Order Creation	Creative Polarity	Mesh-Works	Unfolding Disjunction Intersection "OR"
$\Rightarrow$ Exchange	Work Rate	39 local control of closure (feedback, homeostasis, self-control, auto-dynamic)	Creative Prosperity	Essence of Exchange	Relational Design	Exchange States	29 global process of folding (pulse, cooperation, fusion)	Exchange
$\wedge$ Structure	Order Accrual	Dynamical Structures	Structural Adjustments	Flow Container	Essential Structure	Polarity Structure	Rhythm Structures	Structure
$\neg$ Negation	Source Distinctions	Part / Whole Polarity	23 global process of unfolding (bifurcation, conflict, fission)	Relational Duality	Part / Whole	Primordial Duality	Iterative Extremes	Complementarity Distinction Negation "NOT"
$\forall$ For All	Ground Transformations	Dynamic Rhythm	Emergent Creation	Exchange Phases	28 global structure of folding (boundary)	17 global process of distinction (expansion/contraction, input/output)	Recurrent Order	Self-Reflexion Modular Recursion For All "EMPTY"

	Source	Dynamics	Creative	Exchange	Structure	Polarity	Rhythm	
Source	Ground Source	Unity Dynamics	Creative Grace	Source Stream	Resonance Structure	High Polarity	Field Vibrations	Unity Existence Perception "is Element"
Dynamics	Dynamic Order	Integrated Dynamics	Dynamic Creativity	Operation Dynamics	Structural Dynamics	Dynamic Polarity	Emergent Oppositions	Dynamics
Creative	Self Creation	Dynamic Response	Innovative Arising	Exchange Creation	Order Creation	Creative Polarity	Mesh-Works	Creative
Exchange	Work Rate	Adjustment Dynamics	Creative Prosperity	Essence of Exchange	Relational Design	Exchange States	Flow Surges	Exchange
Structure	Order Accrual	Dynamical Structures	Structural Adjustments	Flow Container	Essential Structure	Polarity Structure	Rhythm Structures	Structure
Polarity	Source Distinctions	Part / Whole Polarity	Liminal Creation	Relational Duality	Part / Whole	Primordial Duality	Iterative Extremes	Complementarity Distinction
Rhythm	Ground Transformations	Dynamic Rhythm	Emergent Creation	Exchange Phases	Edge Pattern	Rhythmic Duality	Recurrent Order	Rhythm

	 Source	 Dynamics	 Creative	 Exchange	 Structure	 Polarity	 Rhythm	
 Source	 Ground Source	 Unity Dynamics	 Creative Grace	 Source Stream	 Resonance Structure	 High Polarity	 Field Vibrations	Unity Existence Perception "is Element"
 Dynamics	 Dynamic Order	 Integrated Dynamics	 Dynamic Creativity	 Operation Dynamics	 Structural Dynamics	 Dynamic Polarity	 Emergent Oppositions	Dynamics
 Creative	 Self Creation	 Dynamic Response	 Innovative Arising	 Exchange Creation	 Order Creation	 Creative Polarity	 Mesh-Works	Creative
 Exchange	 Work Rate	 Adjustment Dynamics	 Creative Prosperity	 Essence of Exchange	 Relational Design	 Exchange States	 Flow Surges	Exchange
 Structure	 Order Accrual	 Dynamical Structures	 Structural Adjustments	 Flow Container	 Essential Structure	 Polarity Structure	 Rhythm Structures	Structure
 Polarity	 Source Distinctions	 Part / Whole Polarity	 Liminal Creation	 Relational Duality	 Part / Whole	 Primordial Duality	 Iterative Extremes	Complementarity Distinction
 Rhythm	 Ground Transformations	 Dynamic Rhythm	 Emergent Creation	 Exchange Phases	 Edge Pattern	 Rhythmic Duality	 Recurrent Order	Rhythm

The principle of --- the enduring health of any system depends on the appropriate balance and integration --- for a given context  
dynamic stability between the size of the swings to extremes and the frequency of adjustments around the middle path  
complex timing of rhythmic complexity with rhythmic simplicity  
peaks 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

The **Resonance Pattern** represents the sympathetic coordination of elements within a system. **Resonance** is one aspect of the most important Rhythm Pattern, **Rhythm**. **Resonance** demonstrates how parts of a system can harmoniously through fields of subtle interactions. The strength of the individual field must be **harmonious** so that elements are **coordinated** through harmonic influences, but retain the **ability** for concurrent independent expression. The **role of Resonance** is harmonic.

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

	0 83 154	0 155 212	21 165 76	249 168 38	176 97 38	278 32 46	154 39 159	
0 83 154	0 83 154	0 119 183	11 124 115	125 126 96	88 90 96	139 58 100	77 61 157	0 83 154
0 155 212	0 119 183	0 155 212					77 97 186	0 155 212
21 165 76	11 124 115		21 165 76				88 102 118	21 165 76
249 168 38	125 126 96			249 168 38			202 104 99	249 168 38
176 97 38	88 90 96				176 97 38		165 68 99	176 97 38
278 32 46	139 58 100					278 32 46	216 36 103	278 32 46
154 39 159	77 61 157	77 97 186	88 102 118	202 104 99	165 68 99	216 36 103	154 39 159	154 39 159
	0 83 154	0 155 212	21 165 76	249 168 38	176 97 38	278 32 46	154 39 159	

	0 83 154	0 155 212	21 165 76	249 168 38	176 97 38	238 32 46	154 39 159	
0 83 154	0 83 154	0 131 193	14 138 102	166 140 77	117 92 77	159 49 82	103 54 157	0 83 154
0 155 212	0 107 173	0 155 212	14 162 121	166 164 96				0 155 212
21 165 76	7 110 128	7 158 167	21 165 76	173 167 51				21 165 76
249 168 38	83 111 115	83 159 154	97 166 63	249 168 38				249 168 38
176 97 38	59 88 115	59 136 154	73 142 63	225 144 38	176 97 38			176 97 38
238 32 46	79 66 118	79 114 157	93 121 66	245 123 41		238 32 46		238 32 46
154 39 159	51 68 156	51 116 194	65 123 104	217 125 78			154 39 159	154 39 159
	0 83 154	0 155 212	21 165 76	249 168 38	176 97 38	238 32 46	154 39 159	

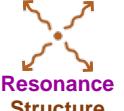
	 Source	 Dynamics	 Creative	 Exchange	 Structure	 Polarity	 Rhythm
 Source	 Ground Source	 Unity Dynamics	 Creative Grace	 Source Stream	 Resonance Structure	 High Polarity	 Field Vibrations
 Dynamics	 Dynamic Order						
 Creative	 Self Creation						
 Exchange	 Work Rate						
 Structure	 Order Accrual						
 Polarity	 Source Distinctions						
 Rhythm	 Ground Transformations						



	 Source	 Dynamics	 Creative	 Exchange	 Structure	 Polarity	 Rhythm
 Source		 Unity Dynamics					
 Dynamics	 Dynamic Order	 Integrated Dynamics	 Dynamic Creativity	 Operation Dynamics	 Structural Dynamics	 Dynamic Polarity	 Emergent Oppositions
 Creative		 Dynamic Response					
 Exchange		 Adjustment Dynamics					
 Structure		 Dynamical Structures					
 Polarity		 Part / Whole Polarity					
 Rhythm		 Dynamic Rhythm					

	 Source	 Dynamics	 Creative	 Exchange	 Structure	 Polarity	 Rhythm
 Source			 Creative Grace				
 Dynamics			 Dynamic Creativity				
 Creative	 Self Creation	 Dynamic Response	 Innovative Arising	 Exchange Creation	 Order Creation	 Creative Polarity	 Mesh-Works
 Exchange			 Creative Prosperity				
 Structure			 Structural Adjustments				
 Polarity			 Liminal Creation				
 Rhythm			 Emergent Creation				

	 Source	 Dynamics	 Creative	 Exchange	 Structure	 Polarity	 Rhythm
 Source				 Source Stream			
 Dynamics				 Operation Dynamics			
 Creative				 Exchange Creation			
 Exchange	 Work Rate	 Adjustment Dynamics	 Creative Prosperity	 Essence of Exchange	 Relational Design	 Exchange States	 Flow Surges
 Structure				 Flow Container			
 Polarity				 Relational Duality			
 Rhythm				 Exchange Phases			

	 Source	 Dynamics	 Creative	 Exchange	 Structure	 Polarity	 Rhythm
 Source					 Resonance Structure		
 Dynamics					 Structural Dynamics		
 Creative					 Order Creation		
 Exchange					 Relational Design		
 Structure	 Order Accrual	 Dynamical Structures	 Structural Adjustments	 Flow Container	 Essential Structure	 Polarity Structure	 Rhythm Structures
 Polarity					 Part / Whole		
 Rhythm					 Edge Pattern		

	 Source	 Dynamics	 Creative	 Exchange	 Structure	 Polarity	 Rhythm
 Source						 High Polarity	
 Dynamics						 Dynamic Polarity	
 Creative						 Creative Polarity	
 Exchange						 Exchange States	
 Structure						 Polarity Structure	
 Polarity	 Source Distinctions	 Part / Whole Polarity	 Liminal Creation	 Relational Duality	 Part / Whole	 Primordial Duality	 Iterative Extremes
 Rhythm						 Rhythmic Duality	

	 Source	 Dynamics	 Creative	 Exchange	 Structure	 Polarity	 Rhythm
 Source							 Field Vibrations
 Dynamics							 Emergent Oppositions
 Creative							 Mesh-Works
 Exchange							 Flow Surges
 Structure							 Rhythm Structures
 Polarity							 Iterative Extremes
 Rhythm	 Ground Transformations	 Dynamic Rhythm	 Emergent Creation	 Exchange Phases	 Edge Pattern	 Rhythmic Duality	 Recurrent Order

PatternDynamics	Pattern
principles	ability

## PatternDynamics

### Rhythm

#### 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

#### Cadence

Rhythm Structures

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.

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

### Synchronization

Mesh-Works

#### 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.

#### 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.

### Enantiodromia

Emergent Oppositions

### Resonance

Field Vibrations

#### Description:

The Enantiodromia Pattern signifies the force exerted by extreme movements on the emergence and growth of their opposites.

Enantiodromia is an aspect of the more foundational First Order Pattern, Rhythm. Enantiodromia 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 Enantiodromia 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.

### **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

Input/Output

Polarity Structure

### **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.

#### 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

Order/Chaos

Creative Polarity

#### 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.

#### 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

Masculine/Feminine

High 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.

**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**

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

Hierarchy

Essential Structure

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**.

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

Complexity

Order Creation

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.

#### 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

#### Field

Resonance Structure

#### 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.

#### 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

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

Capture

Flow Container

### 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.

### 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**.

**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

Uniqueness

Exchange Creation

### Description:

The **Trade Pattern** signifies simple reciprocity. 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.

#### 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

Flow

Source Stream

#### 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.

#### 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

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

Adaption

Structural Adjustments

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.

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 **adoptions** 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

Emergence

Innovative Arising

### 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.

### 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

Elegance

Creative Grace

### 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.

### 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

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

Synergy

Dynamical Structures

### 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.

### 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

Spontaneity

## Dynamic Response

### 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.

### 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

### Harmony

### Unity 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.

### 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

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

Transformity

Order Accrual

### 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.

### 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.