

Four Cosmic Laws of Organization as Stochastic Processes

Name of the law and discoverer a	Its formula and equation number b	Its Key, K^s , process or self-reiterant log governor c	Aim of scientists served d	Tense of cosmic activity e	Input transfactor Actors x P x f	Thruput Trans Interactings A g	factors x Timings T h	produce i	Output products, End-State V j
Euler's HELIX law, 1	$y = e^{i(2\pi n)} = 1 + i \sin 2\pi n$ Eq 33a	$2n \cdot \pi$ a self-sum of πn	predicts the organizing of	future cosmic activity	as n random actants	interacting by combining & permuting in unit life cycles	in t successive cycles of radius r ($rt=n$)	forms (if n is an integer)	the helix of t coils
Gauss' NORMAL law, 2	$y = 1/\sqrt{2\pi} e^{-x^2/2}$ Eq 33b	x^2 a self-product of x	describes the organizing of	present cosmic activity	as n all-or-none actants	interacting jointly	t times as in $(p+q)^t$	forms (if area = $\sigma = 1$)	the normal curve
Gompertz ENTROPIC law, 3	$y = e^{-e^{-x}}$ Eq 33c	2^t a pair-power, the Power set	explains the organizing of	cosmic activity	as n ceaseless actants	interacting as self-products or squarings	t successive times as $e^{(2^t)}$	forms	the entropic growth curve
Stirling's COMBINATORIC law, 4	$y = e^{-n^n}$ $\ln y = n^n = e^n n$ $1/n$ Eq 33d	n^n a self-power	controls the organizing of	anytime	as n reiterant actants	Interacting by combining permuting & repeating	Simultaneously as in	forms	the combinatoric or self-fulfilling curves
Dodd's Self-Reiterant laws, 5	$y = e^{(K^s)} = e^\theta$ or $A=C^t$ in C and t units Eq 33e	K^s ($2n, n^2, 2^n, n^n$) = the 4 "self-reiterants"	models the organizing of	all time cosmic activity	as n actants or things - namable	interacting in up to n^n ways	simultaneously $e^{(n^n)}$	forms	the Mass-Time triangle (log scales)