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Invention is social; 5.1.7 Copying from others; 5.1.8 Harmony and perfection; 5.2 A subversive universe: Discontinuity and the outlier; 5.2.1 Against dehumanization; 5.2.2 Deviation and disharmony; 5.2.3 Genius: the freedom of formidable spirits; 5.2.4 Iconic heroes; 5.2.5 Hop, step, jump; 5.3 Chaos: Coincidence and non-random variance; 5.3.1 Pure coincidence; 5.3.2 Mechanized coincidence; 5.3.3 Serendipity: The human hunch; 5.3.4 Mean and variance: Playing with partial determinism; 5.3.5 Fractal recursion; 6. Classic, Romantic, Chaotic; 7. Reconciliation: Serendipity in a partly deterministic system; 8. Creativity on three scales; 8.1 The breakdown of determinism or why Rutherford was wrong; 8.2 The law of 'anything can happen' or why Rutherford is sometimes right; chapter 3; Problem solving; 1. The two ways; 2. Problems are not problematic; 3. Commonalities; 4. Convergent and divergent thinking; 4.1 Conventional computing systems are "convergent"; 4.2 Humans can do both; 5. Rational problem solving; 5.1 Breaking down the problem; 5.2 Forward and backward reasoning; 5.3 Difference reduction; 5.4 Means-end analysis; 5.5 Problem complexity; 6. Intelligence and creativity; 7. Switching perspectives: narrow vs. wide; 8. The balance between convergence and divergence; 8.1 Intelligence: first convergence, then divergence; 8.2 Creativity: first divergence, then convergence; 9. Analogy: An associative reasoning strategy; 9.1 Solving an analogy; 9.2 Limitations of analogy use; 10. Experts and novices; 10.1 Experts converge; 10.2 Novices diverge; 10.2.1 Alternate uses; 10.3 Being knowledgeable

Sommario/riassunto

The ACASIA process accounted for the way combinatory creativity unfolds and the ensuing Creative Sigmoid explained the accumulation of creations, both being nourished or impeded by a host of factors, most importantly, having access to the largest possible diversity in the information universe. How much of that information universe is available to the creator or audience is a matter of openness of perception and the level of tolerance to deviation. The current chapter discusses the relation between perception and creation: After all, all creators start out as creators of fiction because, previo
