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Nota di contenuto	Introduction -- On objectivity and meaning in mathematics -- Le vrai, le faux, l'insignifiant -- Concept, sense and reality -- The Manifold Man -- Enchanted & Actual Spaces -- Cortical functional architectures as Contact and Sub-Riemannian Geometry -- Jean Petitot, semiotician -- Naturalizing Semiotics. Perspectives and Limitations -- Differentiability: from Saussure to morphodynamics -- Three Fundamental Contributions by Jean Petitot to Semiotics -- The construction of meaning in vision – Three examples: Bonnard, Hammershøi, Poussin -- Plasticity and aesthesia: towards a semiotics of art encompassing the sensitive dynamics -- Minimizing cognitive representation -- Geometry and Cognition: From the foundations of mathematics to theories of knowledge and cognition -- The delicate

frontier between schematism and reflection -- Jean Petitot's New Enlightenment.

## Sommario/riassunto

Jean Petitot is a polyhedral thinker whose contributions have been fundamental in a number of disciplines, such as epistemology, morphodynamics, differential geometry, structural semiotics, neurogeometry, phenomenology, linguistics, cognitive grammars, the theory of catastrophes, social sciences, literary studies, and aesthetics. This book is a homage to his huge contribution about the main concepts of morphogenesis and meaning that constitute the center of gravity around which Petitotian reflection revolves and returns. The scientific path of Jean Petitot develops between these two poles, topology and meaning. At stake it was to challenge the hiatus separating the exact sciences from the humanities that was the main point of the Petitot seminar of EHESS Epistemology of Models. By designing the appropriate qualitative dynamics between the two poles, form and meaning, it is possible to understand the Saussurian sign in structural semiotics, or the Greimasian semiotic square for deep narrative structures or even the canonical formula of the myth of Lévi Strauss in structural anthropology. These are just few results in applying the theory of catastrophes to the emergence of meaning. The book is a collection of testimonies by distinguished authors who worked extensively with Jean Petitot in the different fields of Mathematics, Neurogeometry, Semiotics, Aesthetics, and Epistemology. An extensive bibliography of Petitot's work is also presented. .