

1. Record Nr.	UNINA9910298296303321
Autore	Muskhelishvili Georgi
Titolo	DNA Information: Laws of Perception / / by Georgi Muskhelishvili
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-17425-8
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (98 p.)
Collana	SpringerBriefs in Biochemistry and Molecular Biology, , 2211-9353
Disciplina	570.1 576.8 610 611.01816 660.65
Soggetti	Medical genetics Evolution (Biology) Biology—Philosophy Genetic engineering Gene Function Evolutionary Biology Philosophy of Biology Genetic Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction: Some facts about our Universe -- Problems of logical typing: The "one" and the "unity" -- Logical typing and the notion of time in biology -- Organisation of the genetic system: Proteins as vehicles of distinction -- Harnessing energy and information: Time-irreversibility of thermodynamics -- Social communications and logical typing in the social system.
Sommario/riassunto	This book explores the double coding property of DNA, which is manifested in the digital and analog information types as two interdependent codes. This double coding principle can be applied to all living systems, from the level of the individual cell to entire social systems, seen as systems of communication. Further topics discussed

include the ubiquitous problem of logical typing, which reflects our inherent incapacity to simultaneously perceive discontinuity and continuity, the problem of time, and the peculiarities of autopoietic living systems. It is shown that the scientific "truths" that appear to be coherent constructions connecting the scientifically verified observations by the rules of logic are in fact always relative and never absolute.
