1. Record Nr. UNISA996466488703316

Autore	Wu Wen-tsun
Titolo	Rational homotopy type : a constructive study via the theory of the I-measure / / Wen-tsun Wu
Pubbl/distr/stampa	Berlin, Germany : , : Springer, , [1987] ©1987
ISBN	3-540-39025-1
Edizione	[1st ed. 1987.]
Descrizione fisica	1 online resource (X, 222 p.)
Collana	Lecture Notes in Mathematics, , 0075-8434 ; ; 1264
Disciplina	514.24
Soggetti	Measure theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Fundamental concepts. Measure and calculability -- Dga and minimal model -- The de rham-sullivan theorem and I*-measure -- I*-measure and homotopy -- I*-measure of a homogeneous space — The cartan theorem -- Effective computation and axiomatic system of I*-measure -- I*-measures connected with fibrations.
Sommario/riassunto	This comprehensive monograph provides a self-contained treatment of the theory of I*-measure, or Sullivan's rational homotopy theory, from a constructive point of view. It centers on the notion of calculability which is due to the author himself, as are the measure-theoretical and constructive points of view in rational homotopy. The I*-measure is shown to differ from other homology and homotopy measures in that it is calculable with respect to most of the important geometric constructions encountered in algebraic topology. This approach provides a new method of treatment and leads to various new results. In particular, an axiomatic system of I*-measure is formulated, quite different in spirit from the usual Eilenberg-Steenrod axiomatic system for homology, and giving at the same time an algorithmic method of computation of the I*-measure in concrete cases. The book will be of interest to researchers in rational homotopy theory and will provide them with new ideas and lines of research to develop further.