

1. Record Nr.	UNINA9911035050103321
Autore	Tojeiro Ruy
Titolo	Advances in Submanifold Theory and Related Topics : In Honor of Marcos Dajczer on his 75th Birthday // edited by Ruy Tojeiro
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	9783032009180
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (444 pages)
Collana	Latin American Mathematics Series – UFSCar subseries, , 2524-6763
Disciplina	516.36
Soggetti	Geometry, Differential Differential Geometry Geometria diferencial Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preface -- The Dirichlet problem for the minimal surface equation on unbounded helicoidal domains of R^m -- Maximum principles for weakly 1-coercive operators with applications to capillary and prescribed mean curvature graphs -- The intrinsic metric of constant mean curvature surfaces and minimal hypersurfaces with free boundary -- Conformally Einstein left-invariant metrics on four-dimensional Lie groups -- On the propagation of singularities of constant curvature, convex hypersurfaces -- Ribaucour partial tubes and hypersurfaces of Enneper type -- Conformal immersions of product manifolds endowed with polar metrics -- Compact flat manifolds and reducibility -- Elementary proof of a Lemma for parallel mean curvature surfaces in complex space forms.
Sommario/riassunto	This contributed volume collects articles by specialists in submanifold theory, geometric analysis, and Riemannian geometry, with contributors from four continents. It is dedicated to Professor Marcos Dajczer, whose research and teaching activities have influenced new generations of geometers. Some of the works contained in this volume are written by his mathematical descendants and reflect the state of the art and current discussion in the field. Now retired from the Institute of Pure and Applied Mathematics (IMPA), Brazil, but still active, Professor

Dajczer has conducted research in these and other fields, contributing to the development of submanifold theory in Brazil. He completed his undergraduate studies at the University of Buenos Aires, Argentina, in 1975, and received his PhD in Mathematics from IMPA in 1980. A postdoctoral period at the State University of New York in Stony Brook marked the beginning of a fruitful collaboration with Prof. D. Gromoll that lasted several years. Prof. Dajczer and Dr. Ruy Tojeiro are co-authors of the textbook *Submanifold Theory: Beyond an Introduction*, which is available in Springer's Universitext series.
