

Contents

Foreword	ix
THE EDITORS: JOERI VAN DER VEKEN, ALFONSO CARRIAZO, IVKO DIMITRIĆ, YUN MYUNG OH, BOGDAN D. SUCEAVĂ, AND LUC VRANCKEN	
Reflections on some research work of Bang-Yen Chen	1
THE EDITORS: JOERI VAN DER VEKEN, ALFONSO CARRIAZO, IVKO DIMITRIĆ, YUN MYUNG OH, BOGDAN D. SUCEAVĂ, AND LUC VRANCKEN	
My education in differential geometry and my indebtedness	13
BANG-YEN CHEN	
Submanifold theory—A contemplation of submanifolds	21
LEOPOLD VERSTRAELEN	
Spectral gaps on complete Riemannian manifolds	57
NELIA CHARALAMBOUS, HELTON LEAL, AND ZHIQIN LU	
On stability and index of minimal submanifolds	69
HANG CHEN	
Maximally-warped metrics with harmonic curvature	83
ANDRZEJ DERDZINSKI AND PAOLO PICCIONE	
CR-submanifolds of Chen-type two in non-flat complex space forms	97
IVKO DIMITRIĆ AND MIRJANA DJORIĆ	
On certain contact CR -submanifolds in S^7	111
MIRJANA DJORIĆ AND MARIAN IOAN MUNTEANU	
A class of strictly convex hypersurfaces satisfying Weingarten-type inequalities, I	121
LEONARD M. GIUGIUC AND BOGDAN D. SUCEAVĂ	
Bounding the invariant spectrum when the scalar curvature is non-negative	133
STUART J. HALL AND THOMAS MURPHY	
Isometric immersions of surfaces: classical approaches and integrability	141
THOMAS A. IVEY	
On the geometry of Einstein spaces: a note on their curvature symmetries	155
ADELA MIHAI	

Statistical manifolds and their submanifolds. Results on Chen-like invariants ION MIHAI	163
Warped product hypersurfaces in pseudo-Riemannian real space forms MARILENA MORUZ AND LUC VRANCKEN	173
The development of rectifying submanifolds YUN MYUNG OH	187
Some recent work on biharmonic conformal maps YE-LIN OU	195
On isoparametric linear Weingarten hypersurfaces in Riemannian and Lorentzian space forms CIHAN ÖZGÜR	207
Lagrangian submanifolds of the nearly Kähler 6-sphere and Chen's equality RAMESH SHARMA	219
Sesquilinear forms and symmetric spaces GUDLAUGUR THORBERGSSON	229
Lagrangian submanifolds of the complex quadric as Gauss maps of hypersurfaces of spheres JOERI VAN DER VEKEN AND ANNE WIJFFELS	241
Growth estimates for generalized harmonic forms on noncompact manifolds with geometric applications SHIHSHU WALTER WEI	247