1. Record Nr. UNINA9910154753403321 Seminar on minimal submanifolds / / edited by Enrico Bombieri **Titolo** Princeton, NJ:,: Princeton University Press,, 1983 Pubbl/distr/stampa **ISBN** 1-4008-8143-9 Descrizione fisica 1 online resource (368 pages): illustrations Annals of mathematics studies: number 103 Collana Disciplina 516.3/6 Soggetti Minimal submanifolds Lingua di pubblicazione Inglese **Formato** Materiale a stampa Monografia Livello bibliografico Papers presented during 1979-1980 at the Institute for Advanced Note generali Study. Includes bibliographical references. Nota di bibliografia Frontmatter -- CONTENTS -- INTRODUCTION -- SURVEY LECTURES ON Nota di contenuto MINIMAL SUBMANIFOLDS -- ON THE EXISTENCE OF SHORT CLOSED GEODESICS AND THEIR STABILITY PROPERTIES -- EXISTENCE OF PERIODIC MOTIONS OF CONSERVATIVE SYSTEMS -- ARE HARMONICALLY IMMERSED SURFACES AT ALL LIKE MINIMALLY IMMERSED SURFACES? -- ESTIMATES FOR STABLE MINIMAL SURFACE S IN THREE DIMENSIONAL MANIFOLDS -- REGULARITY OF SIMPLY CONNECTED SURFACES WITH QUASICONFORMAL GAUSS MAP --CLOSED MINIMAL SURFACES IN H Y PER BOLIC 3-MANIFOLDS --MINIMAL SPHERES AND OTHER CONFORMAL VARIATIONAL PROBLEMS -- MINIMAL HYPERSURFACES OF SPHERES WITH CONS TANT SCALAR CURVATURE -- REGULAR MINIMAL HY PERSURF ACES EXIST ON MANIFOLDS IN DIMENSIONS UP TO SIX -- AFFINE MINIMAL SURFACES --THE MINIMAL VARIETIES ASSOCIATED TO A CLOSED FORM --NECESSARY CONDITIONS FOR SUBMANIFOLDS AND CURRENTS WITH PRESCRIBED MEAN CURVATURE VECTOR -- APPROXIMATION OF RECTIFIABLE CURRENTS BY LIPSCHITZ Q VALUED FUNCTIONS -- SIMPLE CLOSED GEODESICS ON OVALOIDS AND THE CALCULUS OF VARIATIONS -- ON THE GEHRING LINK PROBLEM -- CONSTRUCTING CRYSTALLIN E MINIMAL SURFACES -- REGULARITY OF AREA-MINIMIZING HYPERSURFACES AT BOUNDARIES WITH MULTIPLICITY -- NEW METHODS IN THE STUDY OF FREE BOUNDARY PROBLEMS -- SOME PROPERTIES OF CAPILLARY FREE SURFACE -- BERNSTEIN CONJECTURE IN HYPERBOLIC

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