

Faculty of Girls for Arts, Science and Education Mathematics Department

PROBLEMS OF GEOMETRIC FIELD THEORIES

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To My Loving Parents and $My \ beautiful \ daughter \\ \heartsuit \ Mariam \ \heartsuit$



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List of Abbreviations

AP Absolute Parallelism

BB Building Blocks

CMBR Cosmic Microwave Background Radiation

Ein-Max Einstein-Maxwell

ENG Einstein Non Symmetric Geometry

ENT Einstein Non Symmetric Theory

EM Electromagnetism

GFT Generalized Field Theory

GR General Relativity

LHS Lift Hand Side

M Manifold

MT $M\phi$ ller Theory

NGR New General Relativity

PAP Parameterized Absolute Parallelism

Phen. Phenomenological

RC Riemann-Cartan

RHS Right Hand Side

Riem. Riemannian

SG Symmetry Group

SN Super Nova

SR Special Relativity

TEGR Teleparallel Equivalent of General Relativity

n Dimension of the space

N Natural number

() Used for symmetrization

[] Used for anti-symmetrization