

Preface

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Dear Readers and Authors!,

After a period of internal reorganization, here we are with EJTP 23rd issue, a very varied and rich one.

Classical and new themes of mathematical physics on potentials and representation (Maurizio De Sanctis on non-Gaussian asymptotic behaviours of a quantum oscillator, C. J. Papachristou on the Lax problem for non-linear equations, and S A S Ahmed and L Buragohain, L.B. Castro and A.S. de Castro); “hot” questions of particle physics with a particular attention for the rush towards quantum gravity (C. Quimbay, B. S. Koranga, M. Merad, F. Zeroual, and H. Benzair), chaotic behaviours pertaining to many different kinds of scales (Gheorghe Dumitrescu, Ervin Goldfain), the inexhaustible mine of Josephson effect (Krzysztof Pomorski¹, Przemyslaw Prokopow). The “foundational” works of Richard T. Hammond (Radiation Reaction), Leonardo Chiatti (Projective Relativity), Fabio Cardone, Alessio Marrani, Roberto Mignani (Deformed Relativity), E. Trübenbacher (Dirac Equation), J. Singh (Bell Basis & Lorentz Transformations Boost). We highly recommend Amin Rezaeezadeh’s paper on a problem related to the “middle land” where mathematical problems face the complexity of mesoscopic phenomena.

As it happens increasingly often, cosmological themes have a considerable part (Hassan Amirhashchi, Hishamuddin Zainuddin, Anirudh Pradhan, Rekha Singh and J. P. Shahi, N. Mebarki, L. Khodja and S. Zaim, Farooq Ahmad and Abdul Wahid), this is a lively area where the accepted conceptual schemes and new observations prepare new and exciting theoretical scenarios.

We would like to thank all our authors, referees, EJTP editors especially; Tepper L. Gill, Beny Neta and Leonardo Chiatti for their comments and notes, and the issue editors; José Luis López-Bonilla and Ammar Sakaji for their hard work of editing and diligence in reviewing the papers of this issue. However, Robert Gentry has left the editorial board and two new members have joined the board; Rajeev Kumar Puri, Theoretical Nuclear Physics, from India and Maurizio Consoli, Non Perturbative Description of Spontaneous Symmetry Breaking as a Condensation Phenomenon, Emerging Gravity and Higgs Mechanism, from Italy.

We hope you enjoy this issue and that it may be stimulating for your scientific path.

Ignazio Licata, EJTP Editor