

## EJTP V13, No 36. Preface

This issue of EJTP has articles of great interest to researchers from several fields in theoretical physics; articles come from areas such as cosmology, high energy theory, non-linear waves, dark matter, and black hole physics. I may not go through all the papers here but will present a representation of papers from each category.

As a general relativist and a black hole physicist, personally I enjoyed reading the two articles on black holes: information retrieval from young black holes were discussed by A.Y. Yosifor and L.G. Filipov. In another article, R. Sini and C.P. Rabida did a thorough calculation of gravitational lensing of charged black holes.

I found the papers on cosmology quite fascinating with novel ideas: H. Kleinert writes an interesting paper to describe dark matter as a singularity in gravitational field. Quantum mechanics in the pre-big-bang scenario is investigated from a string theory point of view by A. Zanzi.

This issue also had several very interesting papers on mathematical physics: wave function of the Deuteron through the Laguerre functions were presented by V.I. Zhaba. In another article, D-dimensional Schrodinger equation for a square root potential is presented by T. Das. The famous KdV equation was studied in an unusual application in the context of arterial pulse wave by G.P. Chuiko et.al.

There were several papers focused on high-energy theory in this issue. One of them by T. Ma and S. Wang studies the massless neutrino oscillations mechanism based on the Weyl equations for neutrinos. In another paper, the masses of weak and Higgs bosons as composites are presented by M. Akano.

This is the first issue of EJTP I am reading since I joined the editorial board of EJTP in October this year. I am very happy to be a part of this journal which opens the door for experts to publish in theoretical and mathematical physics. My expertise is in general relativity and black hole physics. I have worked on variety of issues related to black holes and general relativity: some of the topics include, black hole thermodynamics, quasi-normal modes of black holes and black holes as particle accelerators. Currently I am a professor at Northern Kentucky University, USA.

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