

Publications in Gravitational Physics

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1 General Relativity

1.1 Formalism

The surface term was rediscovered (?) by [GH77; Yor72] and thus (?) named as the Gibbons–Hawking–York term.

The Arnowitt–Deser–Misner formalism was first published in [ADM59] and was reviewed in [ADM08] (reprint, original needed), editorial note: [Pul08].

1.2 Exact solution

2 Gauge Theories of Gravitation

Friedrich Hehl on Poincaré gauge theory: [Heh+76], status unclear.

Friedrich Hehl on Metric-affine theory: [Heh+95], status unclear.

3 Cosmology

3.1 Inflation

Dong-Gang Wang has suggested [Bau11]

4 Text books

4.1 Course of theoretical Physics

Курс теоретической физики; Lehrbuch der theoretischen Physik, 理论物理学教程

Mechanics [LL82; LL97; 朗栗 10; ЛЛ15]

The Classical Theory of Fields [LL87a; LL92a; 朗栗 12; ЛЛ16]

Quantum Mechanics: Non-Relativistic Theory [LL91b; LL86]

Quantum Electrodynamics

Statistical Physics

Fluid Mechanics

Theory of Elasticity

Electrodynamics of Continuous Media

Statistical Physics, Part 2: Theory of the Condensed State

Physical Kinetics Rest of the current English volumes are [Lan+86; LL80a; LL80b; LP80; BLP82; LP81; LL87a; LLP84] (cleaning and linking to Russian versions needed).

Rest of the current German volumes are [LL91a; LL87b; LL91b; LL91c; LL90a; LL92b; LL90b] (cleaning and linking to Russian versions needed).

4.2 A Shorter Course of theoretical Physics

[LL74; LL72] (cleaning and linking to Russian versions needed)

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