

## NOTEBOOK VOLUME TABS

Noncommutative Chern-Simmons; Noncommutative Spacetime (02/02 – 03/05)

GRB's; Symplectic & Casual Structure for Noncommutative Cone (Light and Cone); POST STRINGS 2004 (03/03 – 08/04)

Noncommutative *Spacetime* (01/05 – 12/06)

TRIESTE Conference (02/05 – 02/06)

Noncommutative Spacetime (03/05 – 04/05)

Noncommutative Spacetime (04/05 – 08/05)

T.A.S.I. (Boulder CO w/Herman Verlinde et.al.) (06/05 – 06/05)

Noncommutative Spacetime (08/05 – 01/06)

Noncommutative Field SP. (09/06 – 10/06)

Noncommutative Spacetime (07/06 – 02/08)

Casimir Dark Energy (01/07 – 02/07) (Missing)

Noncommutative Spacetime—Rindler, Liouville; Gravity from Commutators; Noncommutative Pseudo-Complex; Geometry (02/07 – 06/08)

Untitled (Continuation of Volume 12?) (06/08-1/09)

Notes on Strings 2009

Noncommutative Spacetime (03/26/09 – 05/08/09) (Missing)

Emergent Gravity; Steinacker (05/09 – 05/09)

Gauge Gravity (06/09 – 11/09)

Gauge Gravity (11/09 – 04/10)

Gauge Gravity (04/10 – 7/10)

Gauge Gravity and Teleparallelism; Local Translations; Peirels Bracket; Poisson-Lie Bracket; Weyl; Tanimura; Wong Equations (07/10-09/10)

Gauge Theory and Paralellism, Kleinert, & Wong Equations (09/10-02/11)

Wong Equations for Gravitation (11/2010)

Gravitational Theory and Quantum Theory: Implications (01/11-02/11)

Mainly notes on Quantum Theory, its Interpretation, Formalism, etc. The Birkhoffian Generalization of Quantum Theory (3/11-4/11)

Mainly Gauge Gravity ideas, Using Chapter 6 of the Chinese Book as Launching Point (4/11-7/11)

Local Translations and Thermodynamics, The Thermodynamic-Mechanic Duality (8/2011)

Non-Generated Diffeomorphisms (9/11-10/11)

Diffeomorphisms (continued) (10/11-11/11) and A Few Thoughts on Generalized Gauge Theory, (11/11-12/11)

An Algebraic Gauge Approach to Gravity (2/12 – 7/12)

An Algebraic Gauge Approach to Gravity-Additional Notes (4/12-5/12)

Notes on the Teleparallel Equivalent of General Relativity; on Lie's Third Theorem (6/12-9/12)

Last Notebook: On Principle of Equivalence and Diffeomorphisms (9/12)