General Relativity and Quantum Cosmology

Poincare algebra realized in Hamiltonian formalism of the Relativistic Theory of Gravitation

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We obtain the Poincare group generators by proper choice of arbitrary functions present in the Relativistic Theory of Gravitation (RTG) Hamiltonian. Their Dirac brackets give the Poincare algebra in accordance with the fact that RTG has 10 integrals of motion.

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