

**Lagraa, M. H.; Lagraa, M.; Touhami, N.**

**On the Hamiltonian formalism of the tetrad-connection gravity.** (English) Zbl 1370.83081  
Classical Quantum Gravity 34, No. 11, Article ID 115010, 25 p. (2017).

**MSC:**

- 83D05** Relativistic gravitational theories other than Einstein's, including asymmetric field theories
- 83C05** Einstein's equations (general structure, canonical formalism, Cauchy problems)

Cited in **1** Review  
Cited in **1** Document

**Keywords:**

tetrad-connection gravity; Hamiltonian formalism; Dirac brackets

**Full Text:** [DOI](#)

**References:**

- [1] Ashtekar A and Lewandowski J 2004 \textit{Class. Quantum Grav.}21 R53 · [Zbl 1077.83017](#)
- [2] Rovelli C 2004 \textit{Quantum Gravity} (Cambridge: Cambridge University Press) · [Zbl 1091.83001](#)
- [3] Thiemann T 2007 \textit{Modern Canonical Quantum General Gravity} (Cambridge: Cambridge University Press) · [Zbl 1129.83004](#)
- [4] Arnowitt R, Deser S and Misner C W 1962 \textit{Gravitation: An Introduction In Current research} ed L Witten (New York: Wiley)
- [5] Wald R 1989 \textit{General Relativity} (Chicago: The University of Chicago Press)
- [6] Hawking S and Ellis G F R 1989 \textit{The Large Scale Structure of Spacetime} (Cambridge: Cambridge University Press)
- [7] Holst S 1996 \textit{Phys. Rev.} D 53 5966
- [8] Barbero J F 1995 \textit{Phys. Rev.} D 51 5507
- [9] Immirzi G 1997 \textit{Class. Quantum Grav.}14 L177-81 · [Zbl 0887.53059](#)
- [10] Rovelli C and Smolin L 1995 \textit{Nucl. Phys.} B 442 593 · [Zbl 0925.83013](#)
- [11] Ashtekar A and Lewandowski J 1997 \textit{Class. Quantum Grav.}14 A55-81 · [Zbl 0866.58077](#)
- [12] Loll R 1995 \textit{Phys. Rev. Lett.}75 3048 · [Zbl 1020.83541](#)
- [13] Rovelli C 1996 \textit{Phys. Rev. Lett.}14 3288 · [Zbl 0955.83506](#)
- [14] Ashtekar A, Baez J, Corichi A and Krasnov K 1998 \textit{Phys. Rev. Lett.}80 904 · [Zbl 0949.83024](#)
- [15] Perez A and Rovelli C 2005 \textit{Phys. Rev.} D 73 044013
- [16] Freidel L, Mincic D and Takeuchi T 2005 \textit{Phys. Rev.} D 72 104002
- [17] Bojowald M and Das R 2008 \textit{Class. Quantum Grav.}25 195006 · [Zbl 1151.83038](#)
- [18] Deser S and Isham C J 1976 \textit{Phys. Rev.} D 14 2505
- [19] Baez J 1998 \textit{Class. Quantum Grav.}15 1827 · [Zbl 0932.83014](#)
- [20] Baez J 2000 \textit{Lect. Notes Phys.}543 25
- [21] Barrett J W and Crane L 1998 \textit{J. Math. Phys.}39 3296 · [Zbl 0967.83006](#)
- [22] Alexandrov S 2000 \textit{Class. Quantum Grav.}17 4255 · [Zbl 0976.83044](#)
- [23] Alexandrov S and Vassilevich D 2001 \textit{Phys. Rev.} D 64 044023
- [24] Alexandrov S and Levine E 2003 \textit{Phys. Rev.} D 67 044009
- [25] Barros e Sa N 2001 \textit{Int. J. Mod. Phys.} D 10 261 · [Zbl 1155.83312](#)
- [26] Celada M, Montesinos M and Romero J 2016 \textit{Class. Quantum Grav.}33 115014 · [Zbl 06605521](#)
- [27] Bodendorfer N, Thiemann T and Thurn A 2013 \textit{Class. Quantum Grav.}30 045002 · [Zbl 1266.83073](#)
- [28] Dirac P A M 1964 \textit{Lectures On Quantum Mechanics} (New York: Yeshiva University)
- [29] Bañados M and Contreras M 1998 \textit{Class. Quantum Grav.}15 1527 · [Zbl 0941.83002](#)
- [30] Peldan P 1994 \textit{Class. Quantum Grav.}11 1087

- [31] Hojman S A, Kuchar K and Teitelboim C 1976 [\textit{Ann. Phys.}](#)96 88 · [Zbl 0318.53033](#)
- [32] Bergmann P G and Komar D 1972 [\textit{Int. J. Theor. Phys.}](#)5 15
- [33] Frolov A M, Kiriushcheva N and Kuzmin S V 2010 [\textit{Grav. Cosmol.}](#)16 181 · [Zbl 1232.83012](#)
- [34] Witten E 1988 [\textit{Nucl. Phys.} B](#) 311 46 · [Zbl 1258.83032](#)
- [35] Kiriushcheva N and Kuzmin S V 2010 [\textit{Int. J. Theor. Phys.}](#)49 2859 · [Zbl 1205.83057](#)

This reference list is based on information provided by the publisher or from digital mathematics libraries. Its items are heuristically matched to zbMATH identifiers and may contain data conversion errors. It attempts to reflect the references listed in the original paper as accurately as possible without claiming the completeness or perfect precision of the matching.