論文リスト

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論文 (査読あり)

1. Classification of irreducible representations of affine group superschemes and the division superalgebras of their endomorphisms. Math. Z. 309, 33 (2025). DOI.

2. Uniform decomposition of the flag scheme by a symmetric subgroup action. Bulletin des sciences mathématiques 197:Paper No. 103524 (December 2024). DOI.

3. Filtrations on the globalization of twisted D-modules over Dedekind schemes. Journal of Algebra 651, 305–316 (August 2024). DOI.

4. $SO(3)$-homogeneous decomposition of the flag scheme of SL_3 over $\mathbb{Z}[1/2]$. Transformation Groups (March 2024). DOI.

5. Half-integrality of line bundles on partial flag schemes of classical Lie groups. Bulletin des sciences mathématiques 188C:Paper No. 103317 (November 2023). DOI.

6. Integral models of Harish-Chandra modules of the finite covering groups of PU(1,1). Journal of Algebra 579, 73–105 (August 2021). DOI.

7. Dg analogues of the Zuckerman functors and the dual Zuckerman functors I. Journal of Algebra 540, 274–305 (December 2019). DOI.

8. Flat Base Change Formulas for $(\mathfrak{g}, K)$-modules over Noetherian rings. Journal of Algebra 514, 40–75 (November 2018). DOI.

プレプリント

1. Algebraic approach to contraction families. arXiv:2302.10867 (2023). DOI.

2. Families of twisted $\mathcal{D}$-modules and arithmetic models of Harish-Chandra modules. Joint with Fabian Januszewski. arXiv:1808.10709 (2018). T. H. was added as an author in 2021. DOI.

3. Dg analogues of the Zuckerman functors and the dual Zuckerman functors II. arXiv:1606.04320 (2016). DOI.

プロシーディングス (査読あり)

1. A construction of $(\mathfrak{g}, K)$-modules over commutative rings. In *Lie theory and its applications in physics*, volume 335 of *Springer Proc. Math. Stat.*, pages 415–420. Springer, Singapore, [2020] ©2020. (June 2020). DOI.

プロシーディングス (査読無し)

1. Rationality problems in representation theory. 日本数学会 2025 年度年会 講演函数解析学分科会アブストラクト集 (掲載予定).

2. A categorical generalization of Loewy's classification scheme of finite dimensional real irreducible representations. 2024 年度表現論シンポジウム講演集 (掲載予定).

3. Classification of irreducible representations of unitary and quaternion queer supergroups. 数理解析研究所講究録 (掲載予定).

4. Classification of irreducible representations of real quasi-reductive algebraic supergroups under some working hypotheses. Proceedings of International Conference "Dualities in Quantum Groups". OCAMI Reports. 6, 92-107 (2024). website.

5. Base change theorems in the theory of twisted D-modules over schemes. 2022 年度表現論シンポジウム講演集, 146–154 (2024). DOI.

6. Connecting symmetric varieties of different real reductive groups as contraction families. 2023 年度表現論シンポジウム講演集, 39–48.

7. Twisted D-modules over Dedekind schemes. 第 61 回実函数論・函数解析学合同シンポジウム講演集, 1-11 (2022). website.

8. Operations on twisted D-modules over schemes. 数理解析研究所講究録 2234, 1-11 (2022). website.

9. Sheaves of twisted differential operators over schemes. 第 7 回 Algebraic Lie Theory and Representation Theory 報告集 (2022).

10. The moduli space of stable parabolic subgroups. 2021 年度表現論シンポジウム講演集, 69-75 (2022). DOI.

11. Strange models of representations of SU(1,1). 第 6 回 Algebraic Lie Theory and Representation Theory 報告集, 88-94 (2021).

12. A descent theorem of closed orbits in some partial flag schemes. 2020 年度表現論シンポジウム講演集, 1-8 (2021). DOI.

13. Half-integrality of the KGB decomposition for SL_3. 2019 年度表現論シンポジウム講演集 11-18 (2020). DOI.

14. Half-integrality of the KGB decomposition for SL_3. 数理解析研究所講究録 2161, 38-45, 2020-6. website.

15. Half-integrality of the closed $\mathrm{SO}(3)$-orbit on the flag variety of SL_3. 数理解析研究所講究録 2139, 165-176, 2019-12. website.

16. Half-integrality of the closed SO(3)-orbit on the flag variety of SL(3). 第 5 回 Algebraic Lie Theory and Representation Theory 報告集 (2019).

17. The Zuckerman functor over a commutative ring. 数理解析研究所講究録 1992, 80-90, 2016-04. website.