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論文 (査読あり)

1. Half-integrality of line bundles on partial flag schemes of classical Lie groups. *Bulletin des sciences mathématiques* 188C (November 2023). DOI: <https://doi.org/10.1016/j.bulsci.2023.103317>
2. Integral models of Harish-Chandra modules of the finite covering groups of $PU(1,1)$. *Journal of Algebra* 579, 73–105 (August 2021). DOI: <https://doi.org/10.1016/j.jalgebra.2021.02.034>
3. Dg analogues of the Zuckerman functors and the dual Zuckerman functors I. *Journal of Algebra* 540, 274–305 (December 2019). DOI: <https://doi.org/10.1016/j.jalgebra.2019.08.024>
4. Flat Base Change Formulas for (\mathfrak{g}, K) -modules over Noetherian rings. *Journal of Algebra* 514, 40–75 (November 2018). DOI: <https://doi.org/10.1016/j.jalgebra.2018.08.005>

プレプリント

1. Classification of irreducible representations of affine group superschemes and the division superalgebras of their endomorphisms. arXiv:2309.15967 (2023). DOI: <https://doi.org/10.48550/arXiv.2309.15967>
2. Algebraic approach to contraction families. arXiv:2302.10867 (2023). DOI: <https://doi.org/10.48550/arXiv.2302.10867>
3. Filtrations on the globalization of twisted D-modules over Dedekind schemes. arXiv:2205.07539 (2022). DOI: <https://doi.org/10.48550/arXiv.2205.07539>
4. $SO(3)$ -homogeneous decomposition of the flag scheme of SL_3 over $\mathbb{Z}[1/2]$. arXiv:2111.07905 (2021). DOI: <https://doi.org/10.48550/arXiv.2111.07905>
5. Families of twisted 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: <https://doi.org/10.48550/arXiv.1808.10709>
6. Dg analogues of the Zuckerman functors and the dual Zuckerman functors II. arXiv:1606.04320 (2016). DOI: <https://doi.org/10.48550/arXiv.1606.04320>

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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: <https://doi.org/10.1007/978-981-15-7775-8>

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1. 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.
2. 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.
3. 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). URL: https://www.mathsoc.jp/section/fctanalysis/Proceedings_2022.pdf

4. Operations on twisted D-modules over schemes. 数理解析研究所講究録 2234, 1-11 (2022). URL: <http://hdl.handle.net/2433/282916>
5. Sheaves of twisted differential operators over schemes. 第7回 Algebraic Lie Theory and Representation Theory 報告集 (2022).
6. 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: https://doi.org/10.34508/repsympo.2021.0_69
7. Strange models of representations of $SU(1,1)$. 第6回 Algebraic Lie Theory and Representation Theory 報告集, 88-94 (2021).
8. 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: https://doi.org/10.34508/repsympo.2020.0_1
9. 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: https://doi.org/10.34508/repsympo.2019.0_11_1
10. Half-integrality of the KGB decomposition for SL_3 . 数理解析研究所講究録 2161, 38-45, 2020-6. URL: <http://hdl.handle.net/2433/261390>
11. Half-integrality of the closed $SO(3)$ -orbit on the flag variety of SL_3 . 数理解析研究所講究録 2139, 165-176, 2019-12. URL: <http://hdl.handle.net/2433/254915>
12. 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).
13. The Zuckerman functor over a commutative ring. 数理解析研究所講究録 1992, 80-90, 2016-04. URL: <http://hdl.handle.net/2433/224642>