

Curriculum Vitae: Noriaki KAWANAKA (川中 宣明)

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1 Biographical Data

Born: April 1, 1946, in Shizuoka prefecture, Japan

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2 Education

Kyoto University, master's degree in science (理学修士), 1970

Osaka University, doctor's degree in science (理学博士), 1975

3 Positions

Osaka University, assistant (助手), 1970-1975

Osaka University, lecturer (講師), 1975-1981

Osaka University, associate professor, 1981-1989

Osaka University, professor, 1989-2009

Osaka University, professor emeritus, 2009-

Kwansai Gakuin University, Professor, 2009-

4 Publications

N. Kawanaka: The decomposition of $L^2(\Gamma \backslash SL(2, \mathbb{R}))$ and Teichmüller spaces, J. Math. Kyoto Univ. 11, 113-147, 1967.

N. Kawanaka: A theorem on finite Chevalley groups, Osaka J.Math.10, 1-13, 1969.

N. Kawanaka: On characters and unipotent elements of finite Chevalley groups, Proc. Japan Acad. Ser A, 48, 589-594, 1972.

- N. Kawanaka: Unipotent elements and characters of finite Chevalley groups, *Osaka J. Math.* 12, 523-554, 1975.
- N. Kawanaka: On irreducible characters of finite Chevalley groups (in Japanese), *Sugaku* 28 (Math. Soc. Japan), 348-357, 1976.
- N. Kawanaka: On the irreducible characters of finite unitary groups, *J. Math. Soc. Japan* 29, 425-450, 1977.
- N. Kawanaka: Fourier transforms of nilpotently supported invariant functions on a finite simple Lie algebra, *Proc. Japan Acad. Ser. A*, 57, 461-464, 1981.
- N. Kawanaka: Liftings of irreducible characters of finite classical groups I, *J. Fac. Sci. Univ. Tokyo Sec. IA* 28, 851-861, 1982.
- N. Kawanaka: Liftings of irreducible characters of finite classical groups II, *J. Fac. Sci. Univ. Tokyo Sec. IA* 30, 499-516, 1982.
- N. Kawanaka: Fourier transforms of nilpotently supported invariant functions on a simple Lie algebras over a finite field, *Invent. Math.* 69, 411-435, 1982.
- N. Kawanaka: Generalized Gelfand-Graev representations and Ennola duality, *Advanced Studies in Pure Mathematics* 6, 175-206, 1985.
- A. Gyoja and N. Kawanaka: Gauss sums of prehomogeneous vector spaces, *Proc. Japan Acad. Ser. A*, 161, 19-22, 1985.
- N. Kawanaka: Generalized Gelfand-Graev representations of exceptional simple algebraic groups over a finite field I, *Invent. Math.* 84, 575-616, 1986.
- N. Kawanaka: Shintani liftings and Gelfand-Graev Representations, *Proc. Symp. Pure Math.* 47 (Amer. Math. Soc.), 146-163, 1987.
- N. Kawanaka: Orbits and stabilizers of nilpotent elements of a graded semisimple Lie algebra, *J. Fac. Sci. Univ. Tokyo Sec. IA* 34, 573-597, 1987.
- E. Bannai, N. Kawanaka and S-Y. Song: The character table of the Hecke algebra $H(GL_{2n}(\mathbb{F}_q), Sp_{2n}(\mathbb{F}_q))$, *J. Algebra* 129, 320-366, 1990.
- N. Kawanaka and H. Matsuyama: A twisted version of the Frobenius-Schur indicator and multiplicity-free permutation representations, *Hokkaido Math. J.* 19, 495-508, 1990.
- N. Kawanaka: On subfield symmetric spaces over a finite field, *Osaka J. Math.* 28, 93-102, 1991.
- N. Kawanaka: A q-series identity involving Schur functions and related topics, *Osaka J. Math.* 36, 157-176, 1999.
- N. Kawanaka: Symmetric Spaces over Finite Fields, Frobenius-Schur Indices, and Symmetric Function Identities, *Physics and Combinatorics 1999* (World Scientific), 70-84, 2001.
- N. Kawanaka: A q-Cauchy identity for Schur functions and imprimitive complex reflection groups, *Osaka J. Math.* 38, 775-810, 2001.

N. Kawanaka: Games and Algorithms with Hook Structure (in Japanese; English translation is going to appear in “Sugaku Expositions” published by Amer. Math. Soc.), Sugaku 63 (Math. Soc. Japan), 421-441, 2011.