

APRIL 2013

**List of Publications:**

1. Heckman, G.J., Opdam, E.M., *Root systems and hypergeometric functions I*, Comp. Math. **64** (1987), 329–352.
2. Opdam, E.M., *Root systems and hypergeometric functions III*, Comp. Math. **67** (1988), 21–49.
3. Opdam, E.M., *Root systems and hypergeometric functions IV*, Comp. Math. **67** (1988), 191–209.
4. Opdam, E.M., *Generalized hypergeometric functions associated with root systems*, Thesis, Universiteit Leiden (1988).
5. Opdam, E.M., *Some applications of hypergeometric shift operators*, Inv. Math. **98** (1989), 1–18.
6. Brussee, R., Heckman, G.J., Opdam, E.M., *Variations on a theme of Macdonald*, Mathematische Zeitschrift **208**, (1991) 1–10.
7. Opdam, E.M., *Dunkl operators, Bessel functions and the discriminant of a finite Coxeter group*, Comp. Math. **85** (1993), 333–373.
8. Beerends, R.J., Opdam, E.M., *Certain hypergeometric series related to the root system BC*, TAMS **339** (2), (1993), 581–609.
9. Opdam, E.M., *An analogue of the Gauss summation formula for hypergeometric functions related to root systems*, Math. Zeitschrift **212** (1993), 313–336.
10. Dunkl, C.F., De Jeu, M.F.E., Opdam, E.M., *Singular polynomials for finite reflection groups*, TAMS **346** (1), (1994), 237–256.
11. Opdam, E.M., *Special functions and representation theory III*, Seminar hypergeometric functions, Comm. of M.I. of the Utrecht University, (1994).
12. Opdam, E.M., *Harmonic analysis for certain representations of the graded Hecke algebra*, Acta Mathematica **175** (1995), 75–121.
13. Opdam, E.M., *A remark on the irreducible characters and fake degrees of finite real reflection groups*, Invent. Math. **120** (1995), 447–454.
14. Heckman, G.J., Opdam, E.M., *Harmonic analysis for affine Hecke algebras*, Current Developments in Mathematics (S.-T. Yau, editor), 1996, Intern. Press, Boston, (1996).

15. Heckman, G.J., Opdam, E.M., *Yang's system of particles and Hecke algebras*, Annals of Mathematics **145**, (1997), 139–173.
16. Heckman, G.J., Opdam, E.M., *Erratum Yang's system of particles and Hecke algebras*, Annals of Mathematics **146**, (1997), 749–750.
17. Opdam, E.M., *Cuspidal hypergeometric functions*, Methods and Applications of Analysis **6** (1) (1999), 67–80.
18. Opdam, E.M., *Lectures on Dunkl operators for real and complex reflection groups*, MSJ Memoirs **8** (Monograph), Math. Soc. of Japan (2000).
19. Opdam E.M., *Multivariable hypergeometric functions*, European Congress of Mathematics 2000, volume I, Progress in Math., Birkhauser (2001), 491–508.
20. Opdam, E.M., *A generating function for the trace of the Iwahori-Hecke algebra*, in “Studies in memory of Issai Schur”, Joseph, Melnikov and Rentschler (eds.), Progress in Math., Birkhauser (2002), 301–324.
21. Dunkl, C.F., Opdam E.M., *Dunkl operators for complex reflection groups*, Proc. London Math. Soc. (3) **86** (2003), 70–108.
22. Ginzburg, V., Guay, N., Opdam, E.M., and Rouquier, R., *On the category  $\mathcal{O}$  for rational Cherednik algebras*, Invent. Math. **154** no. 3 (2003), 617–651.
23. Opdam, E.M., *On the spectral decomposition of affine Hecke algebras*, Journal de l'Institut de Mathematiques de Jussieu **3** no. 4 (2004), 531–648.
24. Opdam, E.M., *Singularities at the boundary of the crown domain*, in: Enveloping Algebras and Geometric Representation Theory, Wolfgang Soergel, Peter Littelmann and Shrawan Kumar, Oberwolfach Reports, Vol 2, issue 1 (2005).
25. Opdam, E.M., *Hecke algebras and harmonic analysis*, pp. 1227-1259 in: *Proceedings of the International Congress of Mathematicians - Madrid, August 22-30, 2006. Vol. II*, EMS Publ. House, 2006.
26. Emsiz, E., Opdam, E.M., Stokman, J.V., *Periodic integrable systems with delta-potentials*, Comm. Math. Phys. **264** (2006), no. 1, 191–225.
27. Opdam, E.M., *The central support of the Plancherel measure of an affine Hecke algebra*, Moscow Mathematical Journal **7** no. 4 (2007), 1-19.
28. Delorme, P., Opdam, E.M., *The Schwartz algebra of an affine Hecke algebra*, Journal fuer die reine und angewandte Mathematik **625** (2008), 59–114.
29. Krötz, B., Opdam, E.M., *Analysis on the Crown Domain*, GAFA, Geom. funct. anal. **18** (2008), 1326-1421.

30. Opdam, E.M., *Spectral transfer morphisms for affine Hecke algebras*, Oberwolfach Reports **45/2008** (2009), 48-52.
31. Opdam, E.M., Solleveld, M.S., *Homological algebra for affine Hecke algebras*, Advances in Mathematics **220** (2009), pp. 1549-1601.
32. Emsiz, E., Opdam, E.M., Stokman, J.V., *Trigonometric Cherednik algebra at critical level and quantum many-body problems*, Selecta Math. (N.S.) **14** (2009), no. 3-4, 571-605.
33. Eric M. Opdam; Jasper V. Stokman, *Review of "Double affine Hecke algebras" (by I.V. Cherednik)*, Bull. Amer. Math. Soc. **46** (2009), 143-150.
34. Opdam, E.M., Solleveld, M.S., *Discrete series characters for affine Hecke algebras and their formal degrees*, Acta Math. **205** (2010), no. 1, 105-187.
35. Delorme, P., Opdam, E.M., *Analytic R-groups of affine Hecke algebras*, J. Reine Angew. Math. **658** (2011), 133-172.
36. Heiermann, V., Opdam, E.M., *On the tempered L-function conjecture*, arXiv:0908.0699, to appear in American J. of Math. (2013)
37. Opdam, E.M., Solleveld. M.S. *Extensions of tempered representations*, arXiv:1105.3802, to appear in GAFA (2013).
38. Ciubotaru, D., Opdam, E.M., Trapa, P., *Algebraic and analytic Dirac induction for graded affine Hecke algebras*, arXiv:1201.2130, to appear in Journal de l'Institut de Mathematiques de Jussieu (JIMJ) (2013).
39. Opdam, E.M., Solleveld. M.S. *Resolutions of tempered representations of reductive p-adic groups*, arXiv:1203.1237, to appear in Journal of Functional Analysis (2013).