

# List of publications

Jouni Rättyä (1.11.1975)

## Mathematics

2001:

1. J. RÄTTYÄ, *On some complex function spaces and classes*, Ann. Acad. Sci. Fenn. Math. Diss. 124 (2001), 1–73.

2003:

2. J. RÄTTYÄ,  *$n$ -th derivative characterizations, mean growth of derivatives and  $F(p, q, s)$* , Bull. Austral. Math. Soc. 68 (2003), 405–421.

2004:

3. J. HEITTOKANGAS, R. KORHONEN AND J. RÄTTYÄ, *Generalized logarithmic derivative estimates of Gol'dberg-Grinshtein type*, Bull. London Math. Soc. 36 (2004), no. 1, 105–114.
4. J. HEITTOKANGAS, R. KORHONEN AND J. RÄTTYÄ, *Growth estimates for solutions of linear complex differential equations*, Ann. Acad. Sci. Fenn. Math. 29 (2004), no. 1, 233–246.

2005:

5. R. KORHONEN AND J. RÄTTYÄ, *Intersections and unions of weighted Bergman spaces*, Comput. Methods Funct. Theory 5 (2005), No. 2, 459–469.

2006:

6. F. PÉREZ-GONZÁLEZ AND J. RÄTTYÄ, *Forelli-Rudin estimates, Carleson measures and  $F(p, q, s)$ -functions*, J. Math. Anal. Appl. 315 (2006), 394–414.
7. X. LI, F. PÉREZ-GONZÁLEZ, AND J. RÄTTYÄ, *Composition operators in hyperbolic  $Q$ -classes*, Ann. Acad. Sci. Fenn. Math. 31 (2006), 391–404.
8. J. HEITTOKANGAS, R. KORHONEN AND J. RÄTTYÄ, *Fast growing solutions of linear differential equations in the unit disc*, Result.Math. 49 (2006), 265–278.

2007:

9. R. KORHONEN AND J. RÄTTYÄ, *Linear differential equations in the unit disc with analytic solutions of finite order*, Proc. Amer. Math. Soc. 135 (2007), no. 4, 1355–1363.
10. J. RÄTTYÄ, *Integration operator acting on Hardy and weighted Bergman spaces*, Bull. Austral. Math. Soc. 75 (2007), 431–446.
11. J. RÄTTYÄ, *The essential norm of a composition operator mapping into the  $Q_s$ -space*, J. Math. Anal. Appl. 333 (2007), 787–797.
12. F. PÉREZ-GONZÁLEZ, J. RÄTTYÄ, AND D. VUKOTIĆ, *On composition operators acting between Hardy and weighted Bergman spaces*, Expo. Math. 25 (2007), 309–323.
13. J. RÄTTYÄ, *Linear differential equations with solutions in the Hardy space*, Complex Var. Elliptic Equ. Vol. 52 (2007), No. 9, 785–795.
14. J. HEITTOKANGAS, R. KORHONEN AND J. RÄTTYÄ, *Linear differential equations with solutions in Dirichlet type subspace of the Hardy space*, Nagoya Math. J. 187 (2007), 91–113.

2008:

15. J. HEITTOKANGAS, R. KORHONEN AND J. RÄTTYÄ, *Linear differential equations with coefficients in the weighted Bergman and Hardy spaces*, Trans. Amer. Math. Soc. 360 (2008), 1035–1055.
16. M. KOTILAINEN, V. LATVALA AND J. RÄTTYÄ, *Carleson measures and the weak Harnack inequality in the unit ball of  $\mathbb{C}^n$* , Math. Nachr. 11/281 1582–1589 (2008).
17. M. KOTILAINEN AND J. RÄTTYÄ, *The essential norm of a composition operator mapping into  $Q_K$  type spaces*, J. Funct. Spaces Appl. 6 (2008), no. 3, 241–258.

18. F. PÉREZ-GONZÁLEZ AND J. RÄTTYÄ, *Univalent functions in Hardy, Bergman, Bloch and related spaces*, J. Anal. Math. 105 (2008), 125–148.
19. D. GIRELA, J. A. PELÁEZ, F. PÉREZ-GONZÁLEZ, AND J. RÄTTYÄ, *Carleson measures for the Bloch space*, Integral Equations Operator Theory 61 (2008), no. 4, 511–547.

2009:

20. R. KORHONEN AND J. RÄTTYÄ, *Finite order solutions of linear differential equations in the unit disc*, J. Math. Anal. Appl. 349 (2009), no. 1, 43–54.
21. J. HEITOKANGAS, R. KORHONEN AND J. RÄTTYÄ, *Growth estimates for analytic solutions of complex nonhomogeneous linear differential equations*, Ann. Acad. Sci. Fenn. Math. 34 (2009), 145–156.
22. R. AULASKARI, S. MAKHMUTOV AND J. RÄTTYÄ, *New characterizations of the meromorphic Besov,  $Q_p$  and related classes*, Bull. Austral. Math. Soc. 79 (2009), 49–58.
23. R. AULASKARI AND J. RÄTTYÄ, *Nevanlinna class contains functions whose spherical derivatives grow arbitrarily fast*, Ann. Acad. Sci. Fenn. Math. 34 (2009), 387–390.
24. F. PÉREZ-GONZÁLEZ AND J. RÄTTYÄ, *Dirichlet and VMOA domains via Schwarzian derivative*, J. Math. Anal. Appl. 359 (2009), 543–546.
25. R. AULASKARI, S. MAKHMUTOV AND J. RÄTTYÄ, *Results on meromorphic  $\varphi$ -normal functions*, Complex Var. Elliptic Equ. 54 (2009) no. 9, 855–863.
26. F. PÉREZ-GONZÁLEZ AND J. RÄTTYÄ, *Inner functions in the Möbius invariant Besov-type spaces*, Proc. Edinburg Math. Soc. 52 (2009), 751–770.
27. I. CHYZHYKOV, J. HEITOKANGAS AND J. RÄTTYÄ, *Finiteness of  $\varphi$ -order of solutions of linear differential equations in the unit disc*, J. Anal. Math. 109 (2009), 163–198.

2010:

28. R. AULASKARI, S. MAKHMUTOV AND J. RÄTTYÄ, *Weighted Yosida functions*, Complex Var. Elliptic Equ. 55 (2010), no. 1, 167–172.
29. I. CHYZHYKOV, J. HEITOKANGAS AND J. RÄTTYÄ, *Sharp logarithmic derivative estimates with applications to ordinary differential equations in the unit disc*, J. Aust. Math. Soc. 88 (2010), 145–167.

2011:

30. F. PÉREZ-GONZÁLEZ, J. RÄTTYÄ AND J. TASKINEN, *Lipschitz continuous and compact composition operators in hyperbolic classes*, Mediterr. J. Math. 8 (2011), 123–135.
31. R. AULASKARI AND J. RÄTTYÄ, *Properties of meromorphic  $\varphi$ -normal functions*, Michigan Math. J. 60 (2011), 93–111.
32. J. HEITOKANGAS AND J. RÄTTYÄ, *Zero distribution of solutions of complex linear differential equations determines growth of coefficients*, Math. Nachr. 284 (2011), 412–420.
33. R. AULASKARI, S. MAKHMUTOV AND J. RÄTTYÄ, *Counter examples on non- $\alpha$ -normal functions with good integrability*, New York J. Math. 17a, 165–175.
34. M. CHUAQUI, J. GRÖHN AND J. RÄTTYÄ, *Generalized Schwarzian derivatives and higher order differential equations*, Math. Proc. Cambridge Phil. Soc. 151 (2011), 339–354.

ACCEPTED MANUSCRIPTS:

35. M. CHUAQUI, J. GRÖHN, J. HEITOKANGAS AND J. RÄTTYÄ, *Possible intervals for  $T$ - and  $M$ -orders of solutions of linear differential equations in the unit disc*, Abstract Analysis and Applications, in press.

SUBMITTED MANUSCRIPTS:

36. E. A. GALLARDO-GUTIERREZ, M.-J. GONZÁLEZ, F. PÉREZ-GONZÁLEZ, CHR. POMMERENKE AND J. RÄTTYÄ, *Locally univalent functions, VMOA and the Dirichlet space*, submitted in 2009.

37. R. AULASKARI AND J. RÄTTYÄ, *Inclusion relations for new function spaces on Riemann surfaces*, submitted in 2011.
38. J. A. PELÁEZ AND J. RÄTTYÄ, *Weighted Bergman spaces induced by rapidly increasing weights*, submitted in 2011.
39. F. PÉREZ-GONZÁLEZ AND J. RÄTTYÄ, *Univalent functions in the Möbius invariant  $Q_K$  space*, submitted in 2011.

## Other publications

2009:

1. KEKÄLÄINEN J., J. A. VALLUNEN, C. R. PRIMMER, J. RÄTTYÄ AND J. TASKINEN, *Signals of Major Histocompatibility Complex (MHC) overdominance in a wild salmonid population*, Proc. R. Soc. B 276 (2009), no. 1670, 3133-3140.