

Publications

1. M. Maejima, *Some limit theorems for renewal processes with non-identically distributed random variables*, Keio Engrg. Rep. **24** (1971), 67–83.
2. M. Maejima, *A generalization of Blackwell's theorem for renewal processes to the case of non-identically distributed random variables*, Rep. Stat. Appl. Res., JUSE **19** (1972), 1–9.
3. M. Maejima, *On the renewal function when some of mean renewal lifetime are infinite*, Pacific J. Math. **49** (1973), 177–184.
4. M. Maejima, *On local limit theorems and Blackwell's renewal theorem for independent random variables*, Ann. Inst. Statist. Math. **27** (1975), 507–520.
5. T. Kawata and M. Maejima, *Remarks on an infinitely divisible characteristic function*, Sankya A **39** (1977), 130–137.
6. M. Maejima, *A non-uniform estimate in the central limit theorem for m -dependent random variables*, Keio Engrg. Rep. **31** (1978), 15–20.
7. M. Maejima, *Some L_p versions for the central limit theorem*, Ann. Probability **6** (1978), 341–344.
8. M. Maejima, *A non-uniform estimate in the local limit theorem for densities, I*, Yokohama Math. J. **26** (1978), 83–89.
9. M. Maejima, *A non-uniform estimate in the local limit theorem for densities, II*, Yokohama Math. J. **26** (1978), 119–135.
10. M. Maejima, *Non-uniform estimates in the central limit theorem*, Yokohama Math. J. **26** (1978), 137–149.
11. H. Hatori, M. Maejima and T. Mori, *Convergence rates in the law of large numbers when extreme terms are excluded*, Z. Wahrscheinlichkeitstheorie verw. Gebiete **47** (1979), 1–12.
12. S.K. Basu, M. Maejima and N.K. Patra, *A non-uniform rate of convergence in a local limit theorem concerning variables in the domain of normal attraction of a stable law*, Yokohama Math. J. **27** (1979), 63–72.
13. S.K. Basu and M. Maejima, *A local limit theorem for attractions under a stable law*, Math. Proc. Camb. Phil. Soc. **87** (1980), 178–187.
14. H. Hatori, M. Maejima and T. Mori, *Supplement to the law of large numbers when extreme terms are excluded*, Z. Wahrscheinlichkeitstheorie verw. Gebiete **52** (1980), 229–234.
15. M. Maejima, *The remainder term in the local limit theorem for independent random variables*, Tokyo J. Math. **3** (1980), 311–329.

16. M. Maejima, *Some sojourn time problems for strongly dependent Gaussian processes*, Z. Wahrscheinlichkeitstheorie verw. Gebiete **57** (1981), 1–14.
17. M. Maejima, *Some limit theorems for sojourn times of strongly dependent Gaussian processes*, Z. Wahrscheinlichkeitstheorie verw. Gebiete **60** (1982), 359–380.
18. M. Maejima, *On a class of self-similar processes*, Z. Wahrscheinlichkeitstheorie verw. Gebiete **62** (1983), 235–245.
19. M. Maejima, *A self-similar process with nowhere bounded sample paths*, Z. Wahrscheinlichkeitstheorie verw. Gebiete **65** (1983), 115–119.
20. M. Maejima and T. Mori, *Some renewal theorems for random walks in multi-dimensional time*, Math. Proc. Camb. Phil. Soc. **94** (1984), 149–154.
21. P. Embrechts, M. Maejima and E. Omev, *A renewal theorem of Blackwell type*, Ann. Probability (1984), 561–570.
22. M. Maejima and E. Omev, *A generalized Blackwell renewal theorem*, Yokohama Math. J. **32** (1984), 123–133.
23. P. Embrechts and M. Maejima, *The central limit theorem for summability methods of i.i.d. random variables*, Z. Wahrscheinlichkeitstheorie verw. Gebiete **68** (1984), 191–204.
24. N.H. Bingham and M. Maejima, *Summability methods and almost sure convergence*, Z. Wahrscheinlichkeitstheorie verw. Gebiete **68** (1985), 383–392.
25. M. Maejima and W. van Assche, *Probabilistic proofs of asymptotic formulas for some classical polynomials*, Math. Proc. Camb. Phil. Soc. **97** (1985), 499–510.
26. P. Embrechts, M. Maejima and E. Omev, *Some limit theorems for generalized renewal measures*, J. London Math. Soc. (2) **31** (1985), 184–192.
27. P. Embrechts, J.L. Jansen, M. Maejima and J.L. Teugels, *Approximations for compound Poisson and Polya processes*, Adv. Appl. Probab. **17** (1985), 623–637.
28. P. Embrechts, M. Maejima and J.L. Teugels, *Asymptotic behaviour of compound distributions*, Astin Bulletin **15** (1985), 45–48.
29. M. Maejima, *Sojourns of multidimensional Gaussian processes with dependent components*, Yokohama Math. J. **33** (1985), 121–130.
30. M. Maejima, *Some sojourn time problems for 2-dimensional Gaussian processes*, J. Multivar. Anal. **18** (1986), 52–69.
31. M. Maejima, *A remark on self-similar processes with stationary increments*, Canadian J. Statist. **14** (1986), 81–82.

32. M. Maejima, *Sojourns of multidimensional Gaussian processes*, in “Dependence in Probability and Statistics” ed. by E. Eberlein and M.S. Taqqu, Birkhäuser (1986), 91–108.
33. Y. Kasahara and M. Maejima, *Functional limit theorems for weighted sums of i.i.d. random variables*, Probab. Th. Rel. Fields **72** (1986), 161–183.
34. M. Maejima, *Some limit theorems for summability methods of i.i.d. random variables*, Lecture Notes in Math. no.1155, Springer (1987), 57–68.
35. M. Maejima and S.T. Rachev, *An ideal metric and the rate of convergence to a self-similar process*, Ann. Probability **15** (1987), 708–727.
36. Y. Kasahara and M. Maejima, *Weighted sums of i.i.d. random variables attracted to integrals of stable processes*, Probab. Th. Rel. Fields **78** (1988), 75–96.
37. Y. Kasahara and M. Maejima, *Weak convergence of functionals of point processes on R^d* , Lecture Notes in Math. no. 1322, Springer (1988), 73–84.
38. Y. Kasahara, M. Maejima and W. Vervaat, *Log-fractional stable processes*, Stoch. Proc. Appl. **30** (1988), 329–339.
39. S. Cambanis and M. Maejima, *Two classes of self-similar processes with stationary increments*, Stoch. Proc. Appl. **32** (1989), 305–329.
40. M. Maejima, *Self-similar processes and limit theorems*, Sugaku Expositions **2** (1989), 103–123.
41. N. Kôno and M. Maejima, *Self-similar stable processes with stationary increments*, in “Stable Processes and Related Topics” Birkhäuser ed. by S. Cambanis et al. (1991), 265–295.
42. N. Kôno and M. Maejima, *Hölder continuity of some self-similar stable processes*, Tokyo J. Math. **14** (1991), 93–100.
43. S. Cambanis, M. Maejima and G. Samorodnitsky, *Characterization of linear and harmonizable fractional stable motions*, Stoch. Proc. Appl. **42** (1992), 91–110.
44. Y. Kasahara and M. Maejima, *Limit theorems for trimmed sums*, J. Theoret. Probab. **5** (1992), 617–628.
45. M. Maejima and Y. Morita, *Trimmed sums of mixing triangular arrays with stationary rows*, Yokohama Math. J. **40** (1992), 59–71.
46. M. Maejima, *Trimmed sums of i.i.d. Banach space valued random variables*, J. Theoret. Probab. **6** (1993), 57–69.
47. M. Maejima and J.D. Mason, *Operator-self-similar stable processes*, Stoch. Proc. Appl. **54** (1994), 139–163.

48. M. Maejima, *Operator-stable processes and operator fractional stable motions*, Probab. Math. Statist. **15** (1995), 449–460.
49. M. Maejima and S.T. Rachev, *Rates of convergence in the operator-stable limit theorem*, J. Theoret. Probab. **9** (1996), 37–85.
50. M. Maejima, *Limit theorems related to a class of operator-self-similar processes*, Nagoya Math. J. **142** (1996), 161–181.
51. M. Maejima and S.T. Rachev, *Rate-of-convergence in the multivariate max-stable limit theorems*, Statist. Probab. Lett. **32** (1997), 115–123.
52. K. Burnecki, M. Maejima and A. Weron, *The Lamperti transformation for self-similar processes*, Yokohama Math. J. **44** (1997), 25–42.
53. M. Maejima, *Moments of limits of lightly trimmed sums of random vectors in the generalized domain of normal attraction of non-Gaussian operator-stable laws*, Ann. Inst. Statist. Math. **49** (1997), 737–747.
54. M. Maejima, *Norming operators for operator-self-similar processes*, in “Stochastic Processes and Related Topics. A Volume in Memory of Stamatis Cambanis, 1943–1995.” (1998), 287–295.
55. M. Maejima and Y. Naito, *Semi-selfdecomposable distributions and a new class of limit theorems*, Probab. Th. Rel. Fields **112** (1998), 13–31.
56. M. Maejima and K. Sato, *Semi-selfsimilar processes*, J. Theoret. Probab. **12** (1999), 347–383.
57. M. Maejima and G. Samorodnitsky, *Certain probabilistic aspects on semistable laws*, Ann. Inst. Statist. Math. **51** (1999), 449–462.
58. M. Maejima, K. Sato and T. Watanabe, *Exponents of semi-selfsimilar processes*, Yokohama Math. J. **47** (1999), 93–102.
59. M. Maejima, K. Sato and T. Watanabe, *Operator semi-selfdecomposability, (C, Q) -decomposability and related nested classes*, Tokyo J. Math. **22** (1999), 473–509.
60. M. Maejima, K. Suzuki and Y. Tamura, *Some multivariate infinitely divisible distributions and their projections*, Probab. Math. Statist. **19** (1999), 421–428.
61. M. Maejima, K. Sato and T. Watanabe, *Distributions of selfsimilar and semi-selfsimilar processes with independent increments*, Statist. Probab. Lett. **47** (2000), 395–401.
62. M. Maejima, K. Sato and T. Watanabe, *Completely operator semi-selfdecomposable distributions*, Tokyo J. Math. **23** (2000), 235–253.
63. P. Embrechts and M. Maejima, *An introduction to the theory of self-similar*

- stochastic processes*, Intern. J. Modern Physics B **14** (2000), 1399–1420.
64. M. Maejima, *Semistable distributions*, in “Lévy Processes, Theory and Application.” (2001), 169–183.
 65. M. Maejima and J. Rosiński, *The class of type G distributions on \mathbf{R}^d and related subclasses of infinitely divisible distributions*, Demonstratio Mathematica **34** (2001), 251–266.
 66. M. Maejima and J. Rosiński, *Type G distributions on \mathbf{R}^d* , J. Theoret. Probab. **15** (2002), 323–341.
 67. P. Embrechts and M. Maejima, *Selfsimilar Processes*, Princeton University Press, 2002.
 68. K. Akita and M. Maejima, *On certain self-decomposable self-similar processes with independent increments*, Statist. Probab. Lett. **59** (2002), 53–59.
 69. M. Maejima, *Limit theorems for infinite variance sequences*, in “Long-Range Dependence” (2002), 157–164.
 70. P. Cheridito, H. Kawaguchi and M. Maejima, *Fractional Ornstein-Uhlenbeck processes*, Electron. J. Probab. **8**, paper no. 3 (2003), 1–14.
 71. M. Maejima and K. Yamamoto, *Long-memory stable Ornstein-Uhlenbeck processes*, Electron. J. Probab. **8**, paper no. 19 (2003), 1–18.
 72. M. Maejima and K. Sato, *Semi-Lévy processes, semi-selfsimilar additive processes, and semi-stationary Ornstein-Uhlenbeck type processes*, J. Math. Kyoto Univ. **43** (2003), 609–639.
 73. M. Maejima, *Trimmed sums (in Japanese) (Survey)*, Toukei-Suuri **52** (2004), 45–62.
 74. O.E. Barndorff-Nielsen, M. Maejima and K. Sato, *Some classes of multivariate infinitely divisible distributions admitting stochastic integral representations*, Bernoulli **12** (2006), 1–33.
 75. O.E. Barndorff-Nielsen, M. Maejima and K. Sato, *Infinite divisibility for stochastic processes and time change*, J. Theoret. Probab. **19** (2006), 411–446.
 76. M. Maejima and R. Shah, *Moments and projections of semistable probability measures on p -adic vector spaces*, J. Theoret. Probab. **19** (2006), 447–459.
 77. H. Kondo, M. Maejima and K. Sato, *Some properties of exponential integrals of Lévy processes and examples*, Electron. Commun. Probab. **11** (2006), 291–303.
 78. M. Maejima and V. Pérez-Abreu, *A class of random matrices with infinitely divisible determinants*, Statist. Probab. Lett. **77** (2007), 166–168.
 79. T. Aoyama and M. Maejima, *Characterizations of subclasses of type G dis-*

- tributions on \mathbf{R}^d by stochastic integral representations*, Bernoulli **13** (2007), 148–160.
80. M. Maejima and M. Miura, *A characterization of subclasses of semi-selfdecomposable distributions by stochastic integral representations*, Statist. Probab. Lett. **77** (2007), 838–842.
 81. M. Maejima, *Subclasses of Goldie-Steutel-Bondesson class of infinitely divisible distributions on \mathbf{R}^d by Υ -mapping*, ALEA (Latin American Journal of Probability and Mathematical Statistics) **3** (2007), 55–66.
 82. M. Maejima and R. Shah, *Operator-semistable, operator semi-selfdecomposable probability measures and related nested classes on p -adic vector spaces*, Monatsch. Math. **151** (2007), 293–318.
 83. M. Maejima and C. A. Tudor, *Wiener integrals with respect to the Hermite process and a non-central limit theorem*, Stoch. Anal. Appl. **25** (2007), 1043–1056.
 84. T. Aoyama, M. Maejima and J. Rosiński, *A subclass of type G selfdecomposable distributions on \mathbf{R}^d* , J. Theoret. Probab. **21** (2008), 14–34.
 85. O.E. Barndorff-Nielsen and M. Maejima, *Semigroups of Upsilon transformations*, Stochastic Process. Appl. **118** (2008), 2334–2343.
 86. M. Maejima and S. Suzuki, *Limit theorems for weighted sums of infinite variance random variables attracted to integrals of linear fractional stable motions*, Tokyo J. Math. **31** (2008), 259–271.
 87. M. Maejima and C.A. Tudor, *Limits of bifractional Brownian noises*, Comm. Stoch. Anal. **2** (2008), 369–383.
 88. M. Maejima and K. Sato, *The limits of nested subclasses of several classes of infinitely divisible distributions are identical with the closure of the class of stable distributions*, Probab. Theory Related Fields **145** (2009), 119–142.
 89. M. Maejima and G. Nakahara, *A note on new classes of infinitely divisible distributions on \mathbf{R}^d* , Electron. Commun. Probab. **14** (2009), 358–371.
 90. M. Maejima and Y. Ueda, *Stochastic integral characterizations of semi-selfdecomposable distributions and related Ornstein-Uhlenbeck type processes*, Commun. Stoch. Anal. **3** (2009), 349–367.
 91. M. Maejima and Y. Ueda, *Compositions of mappings of infinitely divisible distributions with applications to finding the limits of some nested subclasses*, Electron. Commun. Probab. **15** (2010), 227–239.
 92. T. Aoyama, A. Lindner and M. Maejima, *A new family of mappings of infinitely divisible distributions related to the Goldie-Steutel-Bondesson class*, Electron. J. Probab. **15** (2010), 1119–1142.

93. K. Ichifuji, M. Maejima and Y. Ueda, *Fixed points of mappings of infinitely divisible distributions on \mathbf{R}^d* , *Statist. Probab. Lett.* **80** (2010), 1320-1328.
94. M. Maejima and Y. Ueda, *α -selfdecomposable distributions and related Ornstein-Uhlenbeck type processes*, *Stochastic Process. Appl.* **120** (2010), 2363-2389.
95. M. Mejiama and Y. Ueda, *A note on a bivariate gamma distribution*, *Statist. Probab. Lett.* **80** (2010), 1991-1994.
96. M. Maejima, M. Matsui and M. Suzuki, *Classes of infinitely divisible distributions on \mathbf{R}^d related to the class of selfdecomposable distributions*, *Tokyo J. Math.* **33** (2010), 453-486.
97. M. Maejima and Y. Ueda, *Nested subclasses of the class of α -selfdecomposable distributions*, to appear in *Tokyo J. Math.*
98. M. Maejima and Y. Ueda, *α -selfdecomposable distributions, mild Ornstein-Uhlenbeck type processes and quasi-selfsimilar additive processes*, to appear in *Seminaires et congrès*.
99. M. Maejima, V. Pérez-Abreu and K. Sato, *A class of multivariate infinitely divisible distributions related to arcsine density*, to appear in *Bernoulli*.
100. T. Aoyama, M. Maejima and Y. Ueda, *Several forms of stochastic integral representations of gamma random variables and related topics*, to appear in *Probability and Mathematical Statistics*.