

Bibliography

- ABRAMOWITZ, M. AND STEGUN, I.A. (1992): *Handbook of mathematical functions with formulas, graphs, and mathematical tables*. Dover Publications, New York.
- ALAMATSAZ, M.H. (1985): A note on an article by Artikis. *Acta Math. Hung.* **45**, 159–162.
- ALF, C. AND O'CONNOR, T.A. (1977): Unimodality of the Lévy spectral function. *Pacific J. Math.* **69**, 285–290.
- ALZAID, A.A. AND PROSCHAN, F. (1994): Max-infinite divisibility and multivariate total positivity. *J. Appl. Probab.* **31**, 721–730.
- ARRATIA, R. AND GOLDSTEIN, L. (1998): Size biasing: when is the increment independent? Preprint.
- ARTIKIS, T. (1982): A note on certain power mixtures. *Acta Math. Hung.* **39**, 69–72.
- ATHREYA, K.B. AND NEY, P.E. (1972): *Branching processes*. Die Grundlehren der mathematischen Wissenschaften **196**, Springer, Berlin.
- BALKEMA, A.A. AND RESNICK, S.I. (1977): Max-infinite divisibility. *J. Appl. Probab.* **14**, 309–319.
- BARENDREGT, L. (1979): Solution to problem 73 b. *Statist. Neerl.* **33**, 163–164.
- BARNDORFF-NIELSEN, O., BLAESILD, P. AND HALGREEN, C. (1978): First hitting time models for the generalized-inverse-Gaussian distribution. *Stoch. Proc. Appl.* **7**, 49–54.
- BARNDORFF-NIELSEN, O. AND HALGREEN, C. (1977): Infinite divisibility of the hyperbolic and generalized-inverse-Gaussian distributions. *Z. Wahrsch. verw. Gebiete* **38**, 309–311.

- BARNDORFF-NIELSEN, O. AND SHEPHARD, N. (2001): Modelling by Lévy processes for financial econometrics. In: *Lévy processes*, 283–318. Birkhäuser, Boston.
- BAXTER, G. AND SHAPIRO, J.M. (1960): On bounded infinitely divisible random variables. *Sankhyà* **22**, 253–260.
- BERG, C. AND FORST, G. (1983): Multiply self-decomposable probability measures on \mathbb{R}_+ and \mathbb{Z}_+ . *Z. Wahrsch. verw. Gebiete* **62**, 147–163.
- BERTOIN, J. (1996): *Lévy processes*. Cambridge Tracts in Mathematics **121**, Cambridge University Press, Cambridge.
- BERTOIN, J., VAN HARN, K. AND STEUTEL, F.W. (1999): Renewal theory and level passage by subordinators. *Statist. Probab. Lett.* **45**, 65–69.
- BIGGINS, J.D. AND SHANBHAG, D.N. (1981): Some divisibility problems in branching processes. *Math. Proc. Cambr. Phil. Soc.* **90**, 321–330.
- BILLINGSLEY, P. (1979): *Probability and measure*. Wiley, New York.
- BLUM, J.R. AND ROSENBLATT, M. (1959): On the structure of infinitely divisible distributions. *Pacific J. Math.* **9**, 1–7.
- BONDESSON, L. (1979): On the infinite divisibility of products of powers of gamma variables. *Z. Wahrsch. verw. Gebiete* **49**, 171–175.
- BONDESSON, L. (1981): Classes of infinitely divisible distributions and densities. *Z. Wahrsch. verw. Gebiete* **57**, 39–71 and **59**, 277.
- BONDESSON, L. (1987): On the infinite divisibility of the half-Cauchy and other decreasing densities and probability functions on the nonnegative line. *Scand. Actuar. J.*, 225–247.
- BONDESSON, L. (1991): A characterization of first-passage time distributions for random walks. *Stoch. Proc. Appl.* **39**, 81–88.
- BONDESSON, L. (1992): *Generalized gamma convolutions and related classes of distributions and densities*. Lecture Notes in Statistics **76**, Springer, Berlin.

- BONDESSON, L., KRISTIANSEN, G.K. AND STEUTEL, F.W. (1996): Infinite divisibility of random variables and their integer parts. *Statist. Probab. Lett.* **28**, 271–278.
- BONDESSON, L. AND STEUTEL, F.W. (2002): A class of infinitely divisible distributions connected to branching processes and random walks. SPOR-Report 2002-3, Dept. of Math. and Comp. Sc., Eindhoven University of Technology, Eindhoven.
- BOUWKAMP, C.J. (1986): Solution to problem 85-16. *SIAM Rev.* **28**, 568–569.
- BREIMAN, L. (1968): *Probability*. Addison-Wesley, Reading.
- BROWN, G. (1976): Infinitely divisible distributions and support properties. *Proc. Roy. Irish Acad. Sect. A* **22**, 227–234.
- BUNGE, J. (1997): Nested classes of C -decomposable laws. *Ann. Probab.* **25**, 215–229.
- BYCZKOWSKI, T., RAJPUT, B.S. AND ZAK, T. (1996): Zeros of the densities of infinitely divisible measures on \mathbb{R}^n . *J. Theoret. Probab.* **9**, 533–540.
- CARASSO, A.S. (1987): Infinitely divisible pulses, continuous deconvolution, and the characterization of linear time invariant systems. *SIAM J. Appl. Math.* **47**, 892–927.
- CHANG, D.K. (1989): On infinitely divisible discrete distributions. *Utilitas Math.* **36**, 215–217.
- CHUNG, K.L. (1960): *Markov chains with stationary transition probabilities*. Die Grundlehren der mathematischen Wissenschaften **104**, Springer, Berlin.
- COHEN, J.W. (1982): *The single server queue*, 2-nd ed. North-Holland Series in Applied Mathematics and Mechanics **8**, North-Holland, Amsterdam.
- CONSUL, P.C. AND FAMOYE, F. (1986a): On the unimodality of generalized Poisson distribution. *Statist. Neerl.* **40**, 117–122.

- CONSUL, P.C. AND FAMOYE, F. (1986b): On the unimodality of the generalized negative-binomial distribution. *Statist. Neerl.* **40**, 141–144.
- CSÖRGÖ, S. (1989): An extreme-sum approximation to infinitely divisible laws without a normal component. In: *Probability theory on vector spaces IV*, 47–58. Lecture Notes in Mathematics **1391**, Springer, Berlin.
- CSÖRGÖ, S., HÄUSLER, E. AND MASON, D.M. (1988): A probabilistic approach to the asymptotic distribution of sums of independent identically distributed random variables. *Adv. Appl. Math.* **9**, 259–333.
- CSÖRGÖ, S. AND MASON, D.M. (1991): A probabilistic approach to the tails of infinitely divisible laws. In: *Sums, trimmed sums and extremes*, 317–335. Progress in Probability **23**, Birkhäuser, Boston.
- DALEY, D.J. (1965): On a class of renewal functions. *Proc. Cambr. Phil. Soc.* **61**, 519–526.
- DANIAL, E.J. (1988): Generalization to the sufficient conditions for a discrete random variable to be infinitely divisible. *Statist. Probab. Lett.* **6**, 379–382.
- DIÉDHIYOU, A. (1998): On the self-decomposability of the half-Cauchy distribution. *J. Math. Anal. Appl.* **220**, 42–64.
- DHARMADHIKARI, S. AND JOAG-DEV, K. (1988): *Unimodality, convexity, and applications*. Academic Press, Boston.
- DOOB, J.L. (1953): *Stochastic processes*. Wiley, New York; Chapman & Hall, London.
- DWASS, M. (1967): Poisson recurrence times. *J. Appl. Probab.* **4**, 605–608.
- DWASS, M. (1968): A theorem about infinitely divisible characteristic functions. *Z. Wahrsch. verw. Gebiete* **9**, 287–289.
- EMBRECHTS, P. AND GOLDIE, C.M. (1981): Comparing the tail of an infinitely divisible distribution with integrals of its Lévy measure. *Ann. Probab.* **9**, 468–481.

- EMBRECHTS, P., GOLDIE, C.M. AND VERAVERBEKE, N. (1979): Subexponentiality and infinite divisibility. *Z. Wahrsch. verw. Gebiete* **49**, 335–347.
- EMBRECHTS, P. AND HAWKES, J. (1982): A limit theorem for the tails of discrete infinitely divisible laws with applications to fluctuation theory. *J. Austral. Math. Soc. Ser. A* **32**, 412–422.
- EPSTEIN, B. (1977): Infinite divisibility of student's t -distribution. *Sankhyà Ser. B* **39**, 103–120.
- ESSEEN, C. (1965): On infinitely divisible one-sided distributions. *Math. Scand.* **17**, 65–76.
- FELLER, W. (1939): Neuer Beweis für die Kolmogoroff-P. Lévy'sche Charakterisierung der unbeschränkt teilbaren Verteilungsfunktionen. *Bull. Int. Acad. Yougoslave Cl. Sci. Math. Nat.* **32**, 1–8.
- FELLER, W. (1968): *An introduction to probability theory and its applications*, vol. 1, 3-rd ed. Wiley, New York.
- FELLER, W. (1971): *An introduction to probability theory and its applications*, vol. 2, 2-nd ed. Wiley, New York.
- DE FINETTI, B. (1929): Sulle funzioni a incremento aleatorio. *Rend. Acad. Lincei (6)* **10**, 163–168, 325–329, 548–553.
- FISZ, M. (1962): Infinitely divisible distributions: recent results and applications. *Ann. Math. Statist.* **33**, 68–84.
- FISZ, M. AND VARADARAJAN, V.S. (1963): A condition for absolute continuity of infinitely divisible distribution functions. *Z. Wahrsch. verw. Gebiete* **1**, 335–339.
- FORST, G. (1979): A characterization of self-decomposable probabilities on the half-line. *Z. Wahrsch. verw. Gebiete* **49**, 349–352.
- FORST, G. (1981): Subordinates of the Poisson semigroup. *Z. Wahrsch. verw. Gebiete* **55**, 35–40.
- FORST, G. (1984): Self-decomposability on \mathbb{R} and \mathbb{Z} . In: *Probability measures on groups VII*, 99–115. Lecture Notes in Mathematics **1064**, Springer, Berlin.

- FREEDMAN, D. (1972): *Approximating countable Markov chains*. Holden-Day, San Francisco.
- GAWRONSKI, W. (1984): On the bell-shape of stable densities. *Ann. Probab.* **12**, 230–242.
- GELUK, J.L. AND DE HAAN, L. (2000): Stable probability distributions and their domains of attraction: a direct approach. *Probab. Math. Statist.* **20**, 169–188.
- GERBER, H.U. (1992): On the probability of ruin for infinitely divisible claim amount distributions. *Insurance Math. Econom.* **11**, 163–166.
- GNEDENKO, B.V. (1991): *Einführung in die Wahrscheinlichkeitstheorie*. Mathematische Lehrbücher und Monographien, I. Abteilung **39**, Akademie, Berlin.
- GNEDENKO, B.V. AND KOLMOGOROV, A.N. (1968): *Limit distributions for sums of independent random variables*, 2-nd ed. Addison-Wesley, Reading.
- GOLDIE, C.M. (1967): A class of infinitely divisible random variables. *Proc. Cambr. Phil. Soc.* **63**, 1141–1143.
- GOOVAERTS, M.J., D'HOOGHE, L. AND DE PRIL, N. (1977): On the infinite divisibility of the product of two Γ -distributed stochastic variables. *Appl. Math. Comp.* **3**, 127–135.
- GOOVAERTS, M.J., D'HOOGHE, L. AND DE PRIL, N. (1978): On the infinite divisibility of the ratio of two gamma distributed variables. *Stoch. Proc. Appl.* **7**, 291–297.
- GRADSHTEYN, I.S. AND RYZHIK, I.M. (1980): *Table of integrals, series, and products*. Academic Press, New York.
- GRANDELL, J. (1997): *Mixed Poisson processes*. Monographs on Statistics and Applied Probability **77**, Chapman & Hall, London.
- GROSSWALD, E. (1976): The student t -distribution of any degree of freedom is infinitely divisible. *Z. Wahrsch. verw. Gebiete* **36**, 103–109.

- GUPTA, A.K., MÓRI, T.F. AND SZÉKELY, G.J. (1994): Testing for Poissonity-normality vs other infinite divisibility. *Statist. Probab. Lett.* **19**, 245–248.
- HALGREEN, C. (1979): Self-decomposability of the generalized-inverse-Gaussian and hyperbolic distributions. *Z. Wahrsch. verw. Gebiete* **47**, 13–17.
- HALL, P. (1981): A comedy of errors: the canonical form for a stable characteristic function. *Bull. London Math. Soc.* **13**, 23–27.
- HALL, P. (1984): On unimodality and rates of convergence for stable laws. *J. London Math. Soc. (2)* **30**, 371–384.
- HANSEN, B.G. (1988a): *Monotonicity properties of infinitely divisible distributions*. Dissertation, Technische Universiteit, Eindhoven.
- HANSEN, B.G. (1988b): On log-concave and log-convex infinitely divisible sequences and densities. *Ann. Probab.* **16**, 1832–1839.
- HANSEN, B.G. (1996): Stability and self-decomposability of semi-group valued random variables. *Statist. Neerl.* **50**, 295–305.
- HANSEN, B.G. AND STEUTEL, F.W. (1988): On moment sequences and infinitely divisible sequences. *J. Math. Anal. Appl.* **136**, 304–313.
- HANSEN, B.G. AND WILLEKENS, E. (1990): The generalized logarithmic-series distribution. *Statist. Probab. Lett.* **9**, 311–316.
- VAN HARN, K. (1978): *Classifying infinitely divisible distributions by functional equations*. Mathematical Centre Tracts **103**, Mathematisch Centrum, Amsterdam.
- VAN HARN, K. AND STEUTEL, F.W. (1993): Stability equations for processes with stationary independent increments using branching processes and Poisson mixtures. *Stoch. Proc. Appl.* **45**, 209–230.
- VAN HARN, K. AND STEUTEL, F.W. (1995): Infinite divisibility and the waiting-time paradox. *Stoch. Models* **11**, 527–540.
- VAN HARN, K. AND STEUTEL, F.W. (2001): Stationarity of delayed subordinators. *Stoch. Models* **17**, 369–374.

- VAN HARN, K., STEUTEL, F.W. AND VERVAAT, W. (1982): Self-decomposable discrete distributions and branching processes. *Z. Wahrsch. verw. Gebiete* **61**, 97–118.
- HARTMAN, P. AND WINTNER, A. (1942): On the infinitesimal generators of integral convolutions. *Amer. J. Math.* **64**, 273–298.
- HAWKES, J. AND JENKINS, J.D. (1978): Infinitely divisible sequences. *Scand. Actuar. J.*, 65–76.
- HEINRICH, L. (1985): An elementary proof of Spitzer's identity. *Statistics* **16**, 249–252.
- HIRSCH, F. (1975): Familles d'opérateurs potentiels. *Ann. Inst. Fourier* **25**, 263–288.
- HOFFMANN-JØRGENSEN, J. (1993): Stable densities. *Th. Probab. Appl.* **38**, 350–355.
- HORN, R.A. (1967): On infinitely divisible matrices, kernels, and functions. *Z. Wahrsch. verw. Gebiete* **8**, 219–230.
- HORN, R.A. (1969): The theory of infinitely divisible matrices and kernels. *Trans. Amer. Math. Soc.* **136**, 269–286.
- HORN, R.A. (1970): On certain power series and sequences. *J. London Math. Soc.* **2**, 160–162.
- HORN, R.A. (1972): On necessary and sufficient conditions for an infinitely divisible distribution to be normal or degenerate. *Z. Wahrsch. verw. Gebiete* **21**, 179–187.
- HORN, R.A. AND STEUTEL, F.W. (1978): On multivariate infinitely divisible distributions. *Stoch. Proc. Appl.* **6**, 139–151.
- HUDSON, W.N. AND TUCKER, H.G. (1975a): Equivalence of infinitely divisible distributions. *Ann. Probab.* **3**, 70–79.
- HUDSON, W.N. AND TUCKER, H.G. (1975b): On admissible translates of infinitely divisible distributions. *Z. Wahrsch. verw. Gebiete* **32**, 65–72.

- HUFF, B.W. (1972): On the continuity of infinitely divisible distributions. *Sankhyà Ser. A* **34**, 443–446.
- HUFF, B.W. (1974): Random walks and the continuity of infinitely divisible distributions. *SIAM J. Appl. Math.* **26**, 372–375.
- HUFF, B.W. (1978): Some comments on mixtures and infinite divisibility. *SIAM J. Appl. Math.* **35**, 17–20.
- ISMAIL, M.E.H. (1977): Bessel functions and the infinite divisibility of the student t -distribution. *Ann. Probab.* **5**, 582–585.
- ISMAIL, M.E.H. AND KELKER, D.H. (1979): Special functions, Stieltjes transforms and infinite divisibility. *SIAM J. Math. Anal.* **10**, 884–901.
- ISMAIL, M.E.H. AND MAY, C.P. (1979): Special functions, infinite divisibility and transcendental equations. *Math. Proc. Cambr. Phil. Soc.* **85**, 453–464.
- ISMAIL, M.E.H. AND MILLER, K.S. (1982): An infinitely divisible distribution involving modified Bessel functions. *Proc. Amer. Math. Soc.* **85**, 233–238.
- ITÔ, K. (1942): On stochastic processes I (Infinitely divisible laws of probability). *Jap. J. Math.* **18**, 261–301.
- JOHANSEN, S. (1966): An application of extreme point methods to the representation of infinitely divisible distributions. *Z. Wahrsch. verw. Gebiete* **5**, 304–316.
- JOHNSON, N.L., KOTZ, S. AND BALAKRISHNAN, N. (1994): *Continuous univariate distributions*, vol. 1, 2-nd ed. Wiley, New York.
- JOHNSON, N.L., KOTZ, S. AND BALAKRISHNAN, N. (1995): *Continuous univariate distributions*, vol. 2, 2-nd ed. Wiley, New York.
- JOHNSON, N.L., KOTZ, S. AND KEMP, A.W. (1992): *Univariate discrete distributions*, 2-nd ed. Wiley, New York.
- JUREK, Z.J. (1982): Structure of a class of operator-self-decomposable probability measures. *Ann. Probab.* **10**, 849–856.

- JUREK, Z.J. (1983): The classes $L_m(Q)$ of probability measures on Banach spaces. *Bull. Polish Acad. Sci. Math.* **31**, 51–62.
- JUREK, Z.J. (1985): Relations between the s -self-decomposable and self-decomposable measures. *Ann. Probab.* **13**, 592–608.
- JUREK, Z.J. (1997): Self-decomposability: an exception or a rule? *Ann. Univ. Mariae Curie-Sklodowska Sect. A* **51**, 93–107.
- JUREK, Z.J. AND MASON, J.D. (1993): *Operator-limit distributions in probability theory*. Wiley, New York.
- JUREK, Z.J. AND URBANIK, K. (1978): Remarks on stable measures on Banach spaces. *Colloq. Math.* **38**, 269–276.
- JUREK, Z.J. AND VERVAAT, W. (1983): An integral representation for self-decomposable Banach space valued random variables. *Z. Wahrsch. verw. Gebiete* **62**, 247–262.
- KALUZA, T. (1928): Ueber die Koeffizienten reziproker Potenzreihen. *Math. Zeitschrift* **28**, 161–170.
- KATTI, S.K. (1967): Infinite divisibility of integer-valued random variables. *Ann. Math. Statist.* **38**, 1306–1308.
- KATTI, S.K. (1979): Infinite divisibility of discrete distributions III. In: *Analytic function methods in probability theory*, 165–171. *Colloq. Math. Soc. Janos Bolyai* **21**, North-Holland, Amsterdam.
- KAWATA, T. (1972): *Fourier analysis in probability theory*. Probability and Mathematical Statistics **15**, Academic Press, New York.
- KAZAKYAVICHYUS, V. (1996): Limit distributions of finite Markov chains, and semigroups of stochastic matrices. *Lithuanian Math. J.* **36**, 45–50.
- KEILSON, J. (1979): *Markov chain models — rarity and exponentiality*. Applied Mathematical Sciences **28**, Springer, Berlin.
- KEILSON, J. AND STEUTEL, F.W. (1972): Families of infinitely divisible distributions closed under mixing and convolution. *Ann. Math. Statist.* **43**, 242–250.

- KEILSON, J. AND STEUTEL, F.W. (1974): Mixtures of distributions, moment inequalities and measures of exponentiality and normality. *Ann. Probab.* **2**, 112–130.
- KEILSON, J. AND SUMITA, U. (1983): A decomposition of the beta distribution, related order and asymptotic behavior. *Ann. Inst. Statist. Math.* **35**, 243–253.
- KELKER, D.H. (1971): Infinite divisibility and variance mixtures of the normal distribution. *Ann. Math. Statist.* **42**, 802–808.
- KENDALL, D.G. AND HARDING, E.F. (1973): *Stochastic analysis. A tribute to the memory of Rollo Davidson*. Wiley, New York.
- KENT, J.T. (1978): Some probabilistic properties of Bessel functions. *Ann. Probab.* **6**, 760–770.
- KENT, J.T. (1982): The spectral decomposition of a diffusion hitting time. *Ann. Probab.* **10**, 207–219.
- KENT, J.T. AND LONGFORD, N.T. (1983): An eigenvalue decomposition for first hitting times in random walks. *Z. Wahrsch. verw. Gebiete* **63**, 71–84.
- KERSTAN, J., MATTHES, K. AND MECKE, J. (1978): *Infinitely divisible point processes*. Wiley, New York.
- KHINTCHINE, A.Y. (1937a): Zur Theorie der unbeschränkt teilbaren Verteilungsgesetze. *Rec. Math. Moscou* **2**, 79–117.
- KHINTCHINE, A.Y. (1937b): Dédution nouvelle d'une formule de M. Paul Lévy. *Bull. Univ. Etat Moscou, Sér. Int. Sec. A* **1**, 1–5.
- KHINTCHINE, A.Y. (1938): *Limit theorems for sums of independent random variables*. Gonti Publ., Moscow.
- KHINTCHINE, A.Y. AND LÉVY, P. (1936): Sur les lois stables. *C. R. Acad. Sci. Paris* **202**, 374–376.
- KINGMAN, J.F.C. (1965): The heavy traffic approximation in the theory of queues. In: *Proceedings Symposium Congestion Theory*, 137–169. Univ. North Carolina Press, Chapel Hill.

- KLAASSEN, C.A.J. (1981): Solution to problem 106. *Statist. Neerl.* **35**, 231–232.
- KLEBANOV, L.B., MANIYA, G.M. AND MELAMED, I.A. (1984): A problem of V. M. Zolotarev and analogues of infinitely divisible and stable distributions in a scheme for summation of a random number of random variables. *Th. Probab. Appl.* **29**, 791–794.
- KLEINROCK, L. (1975): *Queueing systems*, vol. I: Theory. Wiley, New York.
- KOLMOGOROV, A.N. (1932): Sulla forma generale di un processo stocastico omogeneo. *Rend. Acad. Lincei (6)* **15**, 805–808, 866–869.
- KRISTIANSEN, G.K. (1994): A proof of Steutel's conjecture. *Ann. Probab.* **22**, 442–452.
- KRISTIANSEN, G.K. (1995): A counter-example to a conjecture concerning infinitely divisible distributions. *Scand. J. Statist.* **22**, 139–141.
- KRUGLOV, V.M. (1970): A note on infinitely divisible distributions. *Th. Probab. Appl.* **15**, 319–324.
- KRUGLOV, V.M. AND ANTONOV, S.N. (1984): Once more on the asymptotic behavior of infinitely divisible distributions in a Banach space. *Th. Probab. Appl.* **29**, 766–775.
- KUCZMA, M. (1968): *Functional equations in a single variable*. Monografie Matematyczne **46**, Państwowe Wydawnictwo Naukowe, Warsaw.
- KUDINA, L.S. (1972): Indecomposability of the arcsine law. *Soviet Math. Dokl.* **13**, 581–583.
- KUMAR, A. AND SCHREIBER, B.M. (1975): Self-decomposable probability measures on Banach spaces. *Studia Math.* **53**, 55–71.
- KUMAR, A. AND SCHREIBER, B.M. (1978): Characterization of subclasses of class L probability distributions. *Ann. Probab.* **6**, 279–293.
- KUMAR, A. AND SCHREIBER, B.M. (1979): Representation of certain infinitely divisible probability measures on Banach spaces. *J. Multivariate Anal.* **9**, 288–303.

- LAHA, R.G. AND ROHATGI, V.K. (1979): *Probability theory*. Wiley, New York.
- LAMPERTI, J.W. (1996): *Probability; a survey of the mathematical theory*, 2-nd ed. Wiley, New York.
- LÉVY, P. (1923): Sur les lois stables en calcul des probabilités. *C. R. Acad. Sci. Paris* **176**, 1284–1286.
- LÉVY, P. (1934): Sur les intégrales dont les éléments sont des variables aléatoires indépendantes. *Ann. Ec. Norm. Pisa* (2) **3**, 337–366.
- LÉVY, P. (1937): *Théorie de l'addition des variables aléatoires*. Gauthier-Villars, Paris.
- LIN, G.D. AND HU, C. (2001): The Riemann zeta distribution. *Bernoulli* **7**, 817–828.
- LINNIK, Y.V. (1964): *Decomposition of probability distributions*. Oliver and Boyd, London.
- LOÈVE, M. (1973): Paul Lévy, 1886–1971. *Ann. Probab.* **1**, 1–18.
- LOÈVE, M. (1977): *Probability theory*, part I, 4-th ed. Graduate Texts in Mathematics **45**, Springer, Berlin.
- LOÈVE, M. (1978): *Probability theory*, part II, 4-th ed. Graduate Texts in Mathematics **46**, Springer, Berlin.
- LOOIJENGA, L.M. (1990): Solution to problem 219. *Statist. Neerl.* **44**, 275–276.
- LUKACS, E. (1970): *Characteristic functions*, 2-nd ed. Hafner, New York.
- LUKACS, E. (1983): *Developments in characteristic function theory*. Macmillan, New York.
- MASUDA, Y. (1988): First-passage times of birth-death processes and simple random walks. *Stoch. Proc. Appl.* **29**, 51–63.
- MCCRUDDEN, M. AND WALKER, S. (1999): Infinitely divisible probabilities on linear p -adic groups. *Proc. Indian Acad. Sci. Math.* **109**, 299–302.

- MCCRUDDEN, M. AND WALKER, S. (2000): Embedding infinitely divisible probabilities on subsemigroups of Lie groups. In: *Probability on algebraic structures*, 43–57. Contemporary Mathematics **261**. Amer. Math. Soc., Providence.
- MCKENZIE, E. (1982): Product autoregression: a time-series characterization of the gamma distribution. *J. Appl. Probab.* **19**, 463–468.
- MCKENZIE, E. (1986): Autoregressive moving-average processes with negative-binomial and geometric marginal distributions. *Adv. Appl. Probab.* **18**, 679–705.
- MCKENZIE, E. (1988): Some ARMA models for dependent sequences of Poisson counts. *Adv. Appl. Probab.* **20**, 822–835.
- MEJZLER, D. (1973): On a certain class of infinitely divisible distributions. *Israel J. Math.* **16**, 1–19.
- MILLAR, P.W. (1995): On a theorem of Hartman and Wintner. *Proc. Amer. Math. Soc.* **123**, 1893–1896.
- MILLER, H.D. (1967): A note on passage times and infinitely divisible distributions. *J. Appl. Probab.* **4**, 402–405.
- MILLER, H.D. (1979): Infinite divisibility in stochastic processes. *Ann. Probab.* **7**, 406–417.
- NOLAN, J.P. (1997): Numerical calculation of stable densities and distribution functions. Heavy tails and highly volatile phenomena. *Stoch. Models* **13**, 759–774.
- O'BRIEN, G.L. AND STEUTEL, F.W. (1981): Divisibility properties of Lebesgue measure. *Indag. Math.* **43**, 393–398.
- O'CONNOR, T.A. (1979a): Infinitely divisible distributions with unimodal Lévy spectral functions. *Ann. Probab.* **7**, 494–499.
- O'CONNOR, T.A. (1979b): Infinitely divisible distributions similar to class L distributions. *Z. Wahrsch. verw. Gebiete* **50**, 265–271.
- O'CONNOR, T.A. (1981): Some classes of limit laws containing the stable distributions. *Z. Wahrsch. verw. Gebiete* **55**, 25–33.

- OHKUBO, H. (1979): On the asymptotic tail behaviors of infinitely divisible distributions. *Yokohama Math. J.* **27**, 77–89.
- OLUYEDE, B.O. (1999): On inequalities and selection of experiments for length-biased distributions. *Probab. Engrg. Inform. Sci.* **13**, 169–185.
- OREY, S. (1968): On continuity properties of infinitely divisible distribution functions. *Ann. Math. Statist.* **39**, 936–937.
- PAKES, A.G. (1995): Characterization of discrete laws via mixed sums and Markov branching processes. *Stoch. Proc. Appl.* **55**, 285–300.
- PAKES, A.G., SAPATINAS, T. AND FOSAM, E.B. (1996): Characterizations, length-biasing, and infinite divisibility. *Statist. Papers* **37**, 53–69.
- PARZEN, E. (1962): *Stochastic processes*. Holden-Day, San Francisco.
- PEČARIĆ, J.E., PROSCHAN, F. AND TONG, Y.L. (1992): *Convex functions, partial orderings, and statistical applications*. Mathematics in Science and Engineering **187**, Academic Press, Boston.
- PETROV, V.V. (1975): *Sums of independent random variables*. Ergebnisse der Mathematik und ihrer Grenzgebiete **82**, Springer, Berlin.
- PETROV, V.V. (1995): *Limit theorems of probability theory. Sequences of independent random variables*. Oxford Studies in Probability **4**, Oxford University Press, New York.
- PITMAN, J. AND YOR, M. (1981): Bessel processes and infinitely divisible laws. In: *Stochastic integrals*, 285–370. Lecture Notes in Mathematics **851**, Springer, Berlin.
- PÓLYA, G. AND SZEGÖ, G. (1970): *Aufgaben und Lehrsätze aus der Analysis I*, 4-rd ed. Heidelberger Taschenbücher **73**, Springer, Berlin.
- PURI, P.S. AND GOLDIE, C.M. (1979): Poisson mixtures and quasi-infinite divisibility of distributions. *J. Appl. Probab.* **16**, 138–153.
- RAMACHANDRAN, B. (1969): On characteristic functions and moments. *Sankhyà Ser. A* **31**, 1–12.

- RESNICK, S.I. (1987): *Extreme values, regular variation, and point processes*. Applied Probability **4**, Springer, Berlin.
- RIEDEL, M. (1975): On the one-sided tails of infinitely divisible distributions. *Math. Nachr.* **70**, 155–163.
- ROBERTS, A.W. AND VARBERG, D.E. (1973): *Convex functions*. Pure and Applied Mathematics **57**, Academic Press, New York.
- ROHATGI, V.K., STEUTEL, F.W. AND SZÉKELY, G.J. (1990): Infinite divisibility of products and quotients of i.i.d. random variables. *Math. Sci.* **15**, 53–59.
- ROSENBLATT, M. (1962): *Random processes*. Oxford University Press, New York.
- ROSSBERG, H.-J., JESIAK, B. AND SIEGEL, G. (1985): *Analytic methods of probability theory*. Mathematical Monographs **67**, Akademie, Berlin.
- RUBIN, H. (1967): Supports of convolutions of identical distributions. In: *Proc. 5-th Berkeley Symp. Math. Statist. Probab.*, part I, 415–422, Univ. Calif.
- RUEGG, A.F. (1970): A characterization of certain infinitely divisible laws. *Ann. Math. Statist.* **41**, 1354–1356.
- RUEGG, A.F. (1971): A necessary condition on the infinite divisibility of probability distributions. *Ann. Math. Statist.* **42**, 1681–1685.
- RUNNENBURG, J. TH. (1960): Probabilistic interpretation of some formulae in queueing theory. *Bull. Inst. Internat. Statist.* **37**, 405–414.
- SAMORODNITSKY, G. AND TAQQU, M.S. (1994): *Stable non-Gaussian random processes*. Chapman & Hall, New York.
- SATO, K. (1973): A note on infinitely divisible distributions and their Lévy measures. *Sci. Rep. Tokyo Kyoiku Daigaku, Sect. A* **12**, 101–109.
- SATO, K. (1994): Multimodal convolutions of unimodal infinitely divisible distributions. *Th. Probab. Appl.* **39**, 336–347.

- SATO, K. (1999): *Lévy processes and infinitely divisible distributions*. Cambridge Studies in Advanced Mathematics **68**, Cambridge University Press, Cambridge.
- SATO, K. (2001): Subordination and self-decomposability. *Statist. Probab. Lett.* **54**, 317–324.
- SATO, K. AND STEUTEL, F.W. (1998): Note on the continuation of infinitely divisible distributions and canonical measures. *Statistics* **31**, 347–357.
- SATO, K. AND YAMAZATO, M. (1978): On distribution functions of class L . *Z. Wahrsch. verw. Gebiete* **43**, 273–308.
- SATO, K. AND YAMAZATO, M. (1981): On higher derivatives of distribution functions of class L . *J. Math. Kyoto Univ.* **21**, 575–591.
- SCHOUTENS, W. AND TEUGELS, J.L. (1998): Lévy processes, polynomials and martingales. *Stoch. Models* **14**, 335–349.
- SHANBHAG, D.N., PESTANA, D. AND SREEHARI, M. (1977): Some further results in infinite divisibility. *Math. Proc. Cambr. Phil. Soc.* **82**, 289–295.
- SHANBHAG, D.N. AND SREEHARI, M. (1977): On certain self-decomposable distributions. *Z. Wahrsch. verw. Gebiete* **38**, 217–222.
- SHANBHAG, D.N. AND SREEHARI, M. (1979): An extension of Goldie's result and further results in infinite divisibility. *Z. Wahrsch. verw. Gebiete* **47**, 19–25.
- SHAPIRO, J.M. (1956): A condition for existence of moments of infinitely divisible distributions. *Canad. J. Math.* **8**, 69–71.
- SHARPE, M.J. (1969a): Zeroes of infinitely divisible densities. *Ann. Math. Statist.* **40**, 1503–1505.
- SHARPE, M.J. (1969b): Operator-stable probability distributions on vector groups. *Trans. Amer. Math. Soc.* **136**, 51–65.
- SHARPE, M.J. (1995): Supports of convolution semigroups and densities. In: *Probability measures on groups and related structures XI*, 364–369. World Sci. Publ., River Edge.

- SHKOL'NIK, S.M. (1992): Modal properties of stable, nearly symmetric distributions. Stability problems for stochastic models. *J. Soviet Math.* **59**, 1008–1010.
- STEUTEL, F.W. (1967): Note on the infinite divisibility of exponential mixtures. *Ann. Math. Statist.* **38**, 1303–1305.
- STEUTEL, F.W. (1970): *Preservation of infinite divisibility under mixing and related topics*. Mathematical Centre Tracts **33**, Mathematisch Centrum, Amsterdam.
- STEUTEL, F.W. (1973): Some recent results in infinite divisibility. *Stoch. Proc. Appl.* **1**, 125–143.
- STEUTEL, F.W. (1974): On the tails of infinitely divisible distributions. *Z. Wahrsch. verw. Gebiete* **28**, 273–276.
- STEUTEL, F.W. (1979): Infinite divisibility in theory and practice. *Scand. J. Statist.* **6**, 57–64.
- STEUTEL, F.W. AND VAN EENIGE, M.J. (1997): Note on the approximation of distributions on \mathbb{Z}_+ by mixtures of negative-binomial distributions. *Stoch. Models* **13**, 271–274.
- STEUTEL, F.W. AND VAN HARN, K. (1979): Discrete analogues of self-decomposability and stability. *Ann. Probab.* **7**, 893–899.
- STEUTEL, F.W., VERVAAT, W. AND WOLFE, S.J. (1983): Integer-valued branching processes with immigration. *Adv. Appl. Probab.* **15**, 713–725.
- STEUTEL, F.W. AND WOLFE, S.J. (1977): On the asymptotic behaviour of moments of infinitely divisible distributions. Memorandum COSOR 77-6, Dept. of Math. and Comp. Sc., Eindhoven University of Technology, Eindhoven.
- STROOCK, D.W. (1993): *Probability theory, an analytic view*. Cambridge University Press, Cambridge.
- SUMITA, U. AND MASUDA, Y. (1985): On first-passage time structure of random walks. *Stoch. Proc. Appl.* **20**, 133–147.

- TAKANO, K. (2003): On infinite divisibility of normed product of Cauchy densities. *J. Comp. Appl. Math.* **150**, 253–263.
- THORIN, O. (1977a): On the infinite divisibility of the Pareto distribution. *Scand. Actuar. J.*, 31–40.
- THORIN, O. (1977b): On the infinite divisibility of the log-normal distribution. *Scand. Actuar. J.*, 121–148.
- THORIN, O. (1978a): An extension of the notion of a generalized Γ -convolution. *Scand. Actuar. J.*, 141–149.
- THORIN, O. (1978b): Proof of a conjecture of L. Bondesson concerning infinite divisibility of powers of a gamma variable. *Scand. Actuar. J.*, 151–164.
- TORTRAT, A. (1988): Le support des lois indéfiniment divisibles dans un groupe abélien localement compact. *Math. Z.* **197**, 231–250.
- TUCKER, H.G. (1961): Best one-sided bounds of infinitely divisible random variables. *Sankhyà Ser. A* **24**, 387–396.
- TUCKER, H.G. (1962): Absolute continuity of infinitely divisible distributions. *Pacific J. Math.* **12**, 1125–1129.
- TUCKER, H.G. (1964): On continuous singular infinitely divisible distribution functions. *Ann. Math. Statist.* **35**, 330–335.
- TUCKER, H.G. (1965): On a necessary and sufficient condition that an infinitely divisible distribution be absolutely continuous. *Trans. Amer. Math. Soc.* **118**, 316–330.
- TUCKER, H.G. (1967): *A graduate course in probability*. Academic Press, New York.
- TUCKER, H.G. (1975): The supports of infinitely divisible distribution functions. *Proc. Amer. Math. Soc.* **49**, 436–440.
- URBANIK, K. (1968): A representation of self-decomposable distributions. *Bull. Acad. Polon. Sci. Math.* **16**, 209–214.
- URBANIK, K. (1972): Lévy's probability measures on Euclidean spaces. *Studia Math.* **44**, 119–148.

- URBANIK, K. (1978): Lévy's probability measures on Banach spaces. *Studia Math.* **63**, 283–308.
- URBANIK, K. (1983): Multiplicative properties of infinitely divisible random variables. *Bull. Polish Acad. Sci. Math.* **31**, 63–69.
- VERVAAT, W. (1979): On a stochastic difference equation and a representation of nonnegative infinitely divisible random variables. *Adv. Appl. Probab.* **11**, 750–783.
- VOUDOURI, A. (1995): An infinitely divisible distribution in financial modelling. *Bull. Greek Math. Soc.* **37**, 113–122.
- WARDE, W.D. AND KATTI, S.K. (1971): Infinite divisibility of discrete distributions II. *Ann. Math. Statist.* **42**, 1088–1090.
- WHITTAKER, E.T. AND WATSON, G.N. (1996): *A course of modern analysis*. Cambridge University Press, Cambridge.
- WIDDER, D.V. (1972): *The Laplace Transform*. Princeton Mathematical Series **6**, Princeton University Press, Princeton.
- WILMS, R.J.G. (1994): *Fractional parts of random variables: limit theorems and infinite divisibility*. Dissertation, Technische Universiteit, Eindhoven.
- WOLFE, S.J. (1971a): On the unimodality of L functions. *Ann. Math. Statist.* **42**, 912–918.
- WOLFE, S.J. (1971b): On moments of infinitely divisible distribution functions. *Ann. Math. Statist.* **42**, 2036–2043.
- WOLFE, S.J. (1971c): On the continuity properties of L functions. *Ann. Math. Statist.* **42**, 2064–2073.
- WOLFE, S.J. (1978a): On the unimodality of infinitely divisible distribution functions. *Z. Wahrsch. verw. Gebiete* **45**, 329–335.
- WOLFE, S.J. (1978b): On the infinite divisibility of variance mixtures of normal distribution functions. *Indag. Math.* **40**, 154–156.
- WOLFE, S.J. (1982): On a continuous analogue of the stochastic difference equation $X_n = \rho X_{n-1} + B_n$. *Stoch. Proc. Appl.* **12**, 301–312.

- YAMAZATO, M. (1975): Some results on infinitely divisible distributions of class L with applications to branching processes. *Sci. Rep. Tokyo Kyoiku Daigaku, Sect. A* **13**, 133–139.
- YAMAZATO, M. (1978): Unimodality of infinitely divisible distribution functions of class L . *Ann. Probab.* **6**, 523–531.
- YAMAZATO, M. (1982): On strongly unimodal infinitely divisible distributions. *Ann. Probab.* **10**, 589–601.
- YAMAZATO, M. (1995): On the strong unimodality of infinitely divisible distributions of class CME. *Th. Probab. Appl.* **40**, 518–532.
- YASUDA, K. (2000): On infinitely divisible distributions on locally compact abelian groups. *J. Theoret. Probab.* **13**, 635–657.
- ZOLOTAREV, V.M. (1965): Asymptotic behavior of distributions of processes with independent increments. *Th. Probab. Appl.* **10**, 28–44.
- ZOLOTAREV, V.M. (1986): *One-dimensional stable distributions*. Translations of Mathematical Monographs **65**, American Mathematical Society, Providence.