VI. REFERENCES

Adler, R.J. (1981), *The Geometry of Random Fields*, Wiley, Chichester.

Adler, R.J. (1984) The supremum of a particular Gaussian field, *Ann. Probability* **12** 436-444.

Adler, R.J. and Brown, L.D. (1986) Tail behaviour for suprema of empirical processes, *Ann. Probability* **14**, 1-30.

Adler, R.J., Brown, L.D. and Lu, K-L. (1990) Tests and confidence bands for bivariate cumulative distribution functions, *Communications in Statistics*, to appear.

Adler, R.J. and Epstein, R. (1987) Some central limit theorems for Markov paths and some properties of Gaussian random fields, *Stoch. Proc. Appls.* **24**, 157-202.

Adler, R.J. and Feigin, P.D. (1984) On the cadlaguity of random measures, *Ann. Probability* **12**, 615-630.

Adler, R.J., Marcus, M. B. and Zinn, J. (1990) Central limit theorems for the local times of certain Markov processes and the squares of Gaussian processes, *Ann. Prob.* **18** to appear.

Adler, R.J. and Samorodnitsky, G. (1987) Tail behaviour for the suprema of Gaussian processes with applications to empirical processes, *Ann. Probability* **15** 1339-1351.

Aldous, D. (1989), *Probability Approximations via the Poisson Clumping Heuristic*, Springer, New York.

Anderson, T.A., Giné, E., Ossiander, M. and Zinn. J. (1988) The central limit theorem and the law of the iterated logarithm for empirical processes under local conditions, *Probab. Th. Rel. Fields* **77** 271-305.

Bass, R.F. and Pyke, R. (1984) The existence of set indexed Lévy processes, *Z. Wahrsch. verw. Gebeite*, **66** 157-172.

Bass, R.F. and Pyke, R. (1985) The space $D(A)$ and weak convergence for set indexed processes, *Ann. Probability*, **13** 860-884.

Belyaev, Yu. K. (1961) Continuity and Hölder conditions for sample functions of stationary Gaussian processes, *Proc. Fourth Berkeley Symp. Math. Statist. Prob.* **2** 23-33, Univ. of California Press, Berkeley.

Berman, S. M. (1985) An asymptotic formula for the distribution of the maximum of a Gaussian process with stationary increments, *J. Appl. Prob.* **22** 454-460.

Berman, S. M. (1987) An extension of Plackett's differential equation for the multivariate normal density *SIAM J. Algebraic & Discrete Methods* **8** 196-197.

Borell, C. (1975) The Brunn-Minkowski inequality in Gauss space, *Invent. Math.* **30** 205-216.

Brown, L.D. and Rinott, Y. (1988) Inequalities for multivariate infinitely divisible processes, *Ann. Probability* **16**.

Cabaña, E.M. and Wschebor, M. (1982) The two parameter Brownian bridge – Kolmogorov inequalities and upper and lower bounds for the distribution of the maximum, *Ann. Probability* **10** 289-302.

Cambanis, S. and Rajput, B. M. (1973) Some zero-one laws for Gaussian processes, *Ann. Probability* **1** 304-312.

Cairoli, R. and Walsh J.(1975) Stochastic integrals in the plane, *Acta Math.* **134** 111-183.

Cramér, H. and Leadbetter, M.R. (1967), *Stationary and Related Stochastic Processes* Wiley, New York.

Dharamadhikari, S. W. and Joag-Dev, K. (1984) Regions whose probabilities increase with the correlation coefficient and Slepian's inequality, in Tong, Y. L. (1984) (ed.) *Inequalities in Statistics and Probability, IMS Lecture Notes-Monograph Series,* **5**, 156-164.

Dobric, V., Marcus, M. B. and Weber, M. (1988) The distribution of large values of a the supremum of a Gaussian process, *Asterisque* **157-8** 95-128.

Dobrushin, R.L. (1979) Gaussian and their subordinated self-similar random generalized fields, *Ann. Probability* **7** 1-28.

Dudley, R.M. (1967) The sizes of compact subsets of Hilbert space and continuity of Gaussian processes, *J. Funct. Anal.* **1** 290-330.

Dudley, R.M. (1973) Sample functions of the Gaussian process, *Ann. Probability* **1** 66-103.

Dudley, R.M. (1974) Metric entropy of some classes of sets with differentiable boundaries, *J. Approximation Theory* **10** 227-236.

Dudley, R.M. (1978a) Central limit theorems for empirical measures, *Ann. Probability* **6** 899-929.

Dudley, R.M. (1978b) Lower layers in $\Re^2$ and convex sets in $\Re^3$ are not GB classes, *Lecture Notes in Math* **709** 97-102.

Dudley, R.M. (1979) Lower layers in $\Re^2$ and convex sets in $\Re^3$ are not GB classes, *Lecture Notes in Math.* **709** 97-102, Springer Verlag.

Dudley, R.M. (1984) A course on empirical processes, (École d'Éte de Probabilités de Saint-Flour XII - 1982), *Lecture Notes in Math.* **1097** Springer Verlag.

Dvoretzky, A. (1961) Some results on convex bodies and Banach spaces, *Proc. Symp. on Linear Spaces*, 123-160, Jerusalem.

Dynkin, E.B. (1980) Markov processes and random fields, *Bull. Amer. Math. Soc.* **3** 957-1000.

Dynkin, E. B. (1983) Markov processes as a tool in field theory, *J. Functional Anal.*, **50** 167-187.

Dynkin, E.B. (1984a) Gaussian and non-Gaussian random fields associated with a Markov process, *J. Funct. Anal.* **55** 344-376.

Dynkin, E. B. (1984b) Polynomials of the occupation field and related random fields, *J. Functional Anal.*, **58** 20-52.

Dynkin, E. B. and Mandelbaum A. (1983) Symmetric statistics, Poisson point processes and multiple Wiener integrals, *Ann. Statist.*, **11** 739-745.

Ellis, R. (1988) Inequalities for multivariate compound Poisson distributions, *Ann. Probability* **16**

Evans, S.N. (1988a) Continuity properties of Gaussian stochastic processes indexed by a local field, *Proc. London Math. Soc.* **56** 380-416.

Evans, S.N. (1988b) Sample path properties of Gaussian stochastic processes indexed by a local field, *Proc. London Math. Soc.* **56** 580-624.

Evans, S.N. (1989) The maximum distribution of a Gaussian stochastic process indexed by a local field, *J. Austral. Math. Soc.* to appear.

Feldman, R. Epstein, (1989) Autoregressive processes and first-hit probabilities for randomized random walks, preprint.

Feldman, R. Epstein, (1990) Exit distributions for Lévy processes via Gaussian techniques, preprint.

Feller, W. (1971) *An Introduction to Probablity Theory and its Applications* **2** Wiley, New York.

Fernique, X. (1974) Minoration des functions aléatoires Gaussiennes, *Ann. Inst. Fourier* **24** 61-66.

Fernique, X. (1975) Regularité des trajectories des fontions aleatoires Gaussiennes, *Lecture Notes in Math.* **480** 1-96, Springer Verlag.

Fernique, X. (1976) Evaluations de processus Gaussiens composes, *Lecture Notes in Math.* **526** 64-84, Springer Verlag.

Fernique, X. (1978) Caractérisation des processus à trajectoires majorées ou continues, *Lecture Notes in Math.* **649** 691-706, Springer Verlag.

Fernique, X. (1983) Régularité de fonctions aléatoires non-Gaussiennes, *Lecture Notes in Math.* **976** 1-74, Springer Verlag.

Fernique, X. (1987a) Régularité de fonctions aléatoires Gaussiennes stationaires à valeurs vectorielles, *Probability Theory on Vector Spaces* to appear.

Fernique, X. (1987b) Fonctions aléatoires dans les espaces Lusiniens, *Espositiones Math.* to appear.

Fernique, X. (1988) Fonctions aléatoires à valeurs vectorielles, preprint.

Garsia, A.M., Rodemich, E. and Rumsey, H. (1970) A real variable lemma and the continuity of paths of some Gaussian processes, *Indiana Univ. Math. J.* **20** 565-578.

Geman, D. (1977) On the approximate local growth of multidimensional random fields, *Z. Wahrsch. verw. Gebeite* **38** 237-251.

Geman, D. (1978) Dispersion points for linear sets and approximate moduli for some stochastic processes, *Trans. Amer. Math. Soc.* **253** 257-272.

Geman, D. (198?) The approximate growth of Gaussian processes, *Unpublished preprint*.

Geman, D. and Zinn, J. (1978) On the increments of multidimensional random fields, *Ann. Probability* **6** 151-158.

Giné, E., Hahn, M.C. and Zinn, J. (1983) Limit theorems for random sets: An application of probability in Banach space results, *Lecture Notes in Math.* **990** 112-135, Springer Verlag.

Goodman, V. (1975) Distribution estimates for functionals of the two-parameter Wiener process, *Ann. Probability* **4** 977-982.

Gordon, Y. (1985) Some inequalities for Gaussian processes and applications, *Israel J. Math.* **50** 265-289.

Gordon, Y. (1987) Elliptically contoured distributions, *Prob. Theory Rel. Fields* **76** 429-438.

Gordon, Y. (1988a) Gaussian processes and almost spherical sections of convex bodies, *Ann. Probability* **16** 180-188.

Gordon, Y. (1988b) On Milman's inequality and random subspaces which escape through a mesh in $\Re^n$, *Lecture Notes in Math.* **1317** 265-289, Springer Verlag.

Hogan, M. L. and Siegmund, D. (1986) Large deviations for the maxima of some random fields, *Adv. Appl. Math.* **7** 2-22.

Iscoe, I., Marcus, M.B., McDonald, D., Talagrand, M. and Zinn, J. (1990) Continuity of ℓ^2-valued Ornstein-Uhlenbeck processes, *Ann. Probability* **18** to appear.

Itô, K. (1983) Distribution valued processes arising from independent Brownian motions, *Math. Z.* **182** 17-33.

Itô, K. and Nisio, M. (1968) On the convergence of sums of independent Banach space valued random variables, *Osaka J. Math.* **5** 35-48.

Jain, N.C. (1971), A zero-one law for Gaussian processes, *Proc. Amer. Math. Soc.* **29** 585-587.

Jain, N.C. and Marcus, M.B. (1978) Continuity of sub-Gaussian processes, *Advances in Probability* **4**, M. Dekker, New York.

Joag-Dev, K., Perlman, M.D. and Pitt, L.D. (1983), Association of normal random variables and Slepian's inequality, *Ann. Probability* **11** 451-455.

Kac, M. Kiefer, J. and Wolfowitz, J.(1955) On tests of normality and other tests of goodness of fit based on distance methods, *Ann. Math. Statist.* **26** 189-211.

Kahane, J-P. (1986) Une inegalite du type de Slepian et Gordon sur les processus Gaussiens, *Israel J. Math.* **55** 109-110.

Kallianpur, G. (1969), *Lecture Notes*, Indian Statistical Institute, Calcutta

Kallianpur, G. (1970), Zero-one laws for Gaussian processes, *Trans. Amer. Math. Soc.* **149** 199-211.

Karatzas, I. and Shreve, S.E. (1988) *Brownian Motion and Stochastic Calculus* Springer Verlag, New York.

Kolmogorov, A. N. and Tihomirov, V. M. (1959) ϵ-entropy and ϵ-capacity of sets in functional spaces, (in Russian) *Usp. Mat. Nauk.* **14** 1-86. [English translation, (1961) *Am. Math. Soc. Transl.* **17** 277-364.]

Landau, H. and Shepp, L.A. (1970) On the supremum of a Gaussian process, *Sankya* **32** 369-378.

Leadbetter, M.R. (1987) On the exceedence random measure for a stationary process, Preprint.

Leadbetter, M.R., Lindgren, G. and Rootzén, H. (1983) *Extremes and Related Properties of Random Sequences and Processes* Springer Verlag, New York.

Leadbetter, M.R. and Rootzén, H. (1988) Extremal theory for stochastic processes, *Ann. Probability* **16** 431-478.

Ledoux, M. (1988) Inégalités isopérimétriques et calcul stochastique, *Lecture Notes in Math.* **1321** 249-259, Springer Verlag.

Linde, W. (1986) *Probability in Banach Spaces – Stable and Infinitely Divisible Distributions*, Wiley, Chichester.

Major, P. (1981) *Multiple Wiener-Itô Integrals, Lecture Notes in Math.* **849**, Springer-Verlag.

Marcus, M. B. (1987) ξ-radial processes and random Fourier series, *Memoirs Amer. Math. Soc.* **368** 1-181.

Marcus, M.B. and Pisier, G. (1981) *Random Fourier Series with Applications to Harmonic Analysis* Annals of Math. Studies 101, Princeton Univ. Press, Princeton.

Marcus, M.B. and Pisier, G. (1984) Characterizations of almost surely continuous p-stable random Fourier series and strongly stationary processes, *Acta Math.* **152** 245-301.

Marcus, M.B. and Rosen, J. (1990) Sample path properties of the local times of symmetric Markov processes, In preparation.

Marcus, M.B. and Shepp, L.A. (1971) Sample behaviour of Gaussian processes, *Proc. Sixth Berkeley Symp. Math. Statist. Prob.* **2** 423-442.

Milman, V.D. and Schechtman, G. (1986) Asymptotic Theory of Finite Dimensional Normed Spaces, *Lecture Notes in Math.* **1200** 265-289, Springer Verlag.

Orsingher, E. (1987) On the maximum of random fields represented by stochastic integrals over circles, *J. Appl. Prob.* **24** 574-585.

Orsingher, E. and Bassan, B. (1988) On the comparison of the distribution of the maximum of random fields represented by stochastic integrals over circles, preprint.

Pickands, J. III (1969a) Upcrossing probabilities for stationary Gaussian processes, *Trans. Amer. Math. Soc.* **145** 51-73.

Pickands, J. III (1969b) Asymptotic properties of the maximum in a stationary Gaussian process, *Trans. Amer. Math. Soc.* **145** 75-86.

Pisier, G. (1980) Conditions d'entropie assurant la continuité des certains processus at applications à l'analyse harmonique, *Séminaire d'Analyse Fonctionnelle 1979/80*, Ecole Polytechnique, Paris.

Pisier, G. (1986) Some applications of metric entropy to harmonic analysis, *Lecture Notes in Math.* **995** 123-154, Springer Verlag.

Pisier, G. (1986) Probabilistic methods in the geometry of Banach space, *Lecture Notes in Math.* **1206** 167-241, Springer Verlag.

Pisier, G. (1989) *The Volume of Convex Bodies and Banach Space Geometry*, Cambridge Univ. Press, Cambridge.

Piterbarg, V.I. (1986) *Lectures in the Theory of Gaussian Processes*, (In Russian), Moscow Univ. Press.

Piterbarg, V.I. (1988) *Asymptotic Methods in the Theory of Gaussian Processes and Fields*, (In Russian), Moscow Univ. Press.

Plackett, R.L. (1954) A reduction formula for normal multivariate integrals, *Biometrika* **41** 351-360.

Preston, C. (1972) Continuity properties of some Gaussian processes, *Ann. Math. Statis.* **43** 285-292.

Pollard, D. (1984) *Convergence of Stochastic Processes*, Springer Verlag, New York,

Pollard, D. (1990) Cube root asymptotics, preprint.

Pyke, R. (1984) Asymptotic results for empirical and partial sum processes: A review, *Can. J. Statist.*, **12** 241-264.

Pyke, R. (1985) Opportunites for set-indexed empirical and quantile processes in inference, *Bull. International Statist. Inst.*, **51** *25.2* 1-11.

Riesz, R. and Sz-Nagy, B. (1955) *Functional Analysis*, Ungar, New York.

Samorodnitsky, G. (1987a) Bounds on the supremum distribution of Gaussian processes – Polynomial entropy case. Preprint.

Samorodnitsky, G. (1987b) Bounds on the supremum distribution of Gaussian processes – exponential entropy case. Preprint.

Samorodnitsky, G. (1988) Continuity of Gaussian processes, *Ann. Probability* **16**, 1019-1033.

Samorodnitsky, G. (1990) Probability tails of Gaussian suprema, *Stoch. Proc. Appls.* to appear.

Samorodnitsky, G. and Taqqu, M. (199?) *Stable Random Processes*, In preparation.

Siegmund, D. (1988) Approximate tail probabilities for the maxima of some random fields, *Ann. Probability* **16**, 487-501.

Slepian, D. (1961) First passage time for a particular Gaussian process, *Ann. Math. Statist.* **32** 610-612.

Slepian, D. (1962) The one-sided barrier problem for Gaussian noise, *Bell System Tech. J.* **42** 463-501.

Sudakov, N.V. (1969) Gaussian and Cauchy measures and ϵ-entropy, *Soviet Math. Dokl.* **10** 310-313.

Sudakov, N.V. (1971) Gaussian random processes, and measures of solid angles in Hilbert space, *Soviet Math. Dokl.* **12** 412-415.

Talagrand, M. (1984) Sur l'intégrabilité des vecteurs guassiens, *Z. Wahrsch. verw. Gebeite* **68** 1-8.

Talagrand, M. (1987) Regularity of Gaussian processes, *Acta Math.* **159** 99-149.

Talagrand, M. (1988a) Small tails for the supremum of a Gaussian process, *Ann. Inst. Henri Poincare* **24** 307-315.

Talagrand, M. (1988b) Necessary conditions for the sample boundedness of p-stable processes, *Ann. Probability* **16** 1584-1595.

Talagrand, M. (1989) On subsets of $\mathcal{L}^p$ and p-stable processes, *Ann. Inst. Henri POincaré* **25** 153-166.

Tong, Y. L. (1984) (ed.) *Inequalities in Statistics and Probability, IMS Lecture Notes-Monograph Series,* **5**.

Vapnik, V.N. and Červonenkis, A.Ya. (1971) On the uniform convergence of relative frequencies of events to their probabilities, *Theor. Probability. Appl.* **16** 264-280. Springer Verlag.

Vapnik, V.N. and Červonenkis, A.Ya. (1974) *Theory of Pattern Recognition: Statistical Problems in Learning* [In Russian] Nauka, Moskow.

Walsh, J.B. (1986) An introduction to stochastic partial differential equations, *Lecture Notes in Math.* *1180* 265-437, Springer Verlag.

Weber, M. (1988) The supremum of Gaussian processes with a constant variance. Preprint.

Weron, A. (1984) Stable processes and measures: A survey, *Lecture Notes in Math.* **1080** 306-364, Springer Verlag.

Watanabe, S. (1984) *Stochastic Differential Equations and Malliavan Calculus*, Tata Inst. of Fundamental Research, Springer, Berlin.

Wong, E. and Zakai, M. (1976) Weak martingales and stochastic integrals in the plane, *Ann. Probability* **4** 570-586.

Zaanen, A.C. (1956) *Linear Analysis*, North Holland, Amsterdam.