Ｂ．研究分担者による研究発表

Akahira,M. and Kawai,S. (1990). The optimality of the grouped jackknife estimator of ratio in some regression model.   J. Japan Statist. Soc., 20, 149-157.

Akahira,M. and Takeuchi,K. (1990). Loss of information associated with the order statistics and related estimators in the double exponential distribution case. Austral. J. Statist., 32, 281-291.

Akahira,M. (1991). The 3/2th and 2nd order asymptotic efficiency of maximum probability estimators in non-regular cases.   Ann. Inst. Statist. Math., 43, 181-195

Akahira,M. (1991). On the non-linear model of a fundamental biological process: An extension of the Masuyama model.   Rep. Stat. Appl. Res., JUSE, 38, 19-23.

Akahira,M. and Takeuchi,K. (1991). Bootstrap method and empirical process. Ann. Inst. Statist. Math., 43, 297-310.

Akahira,M. and Takeuchi,K. (1991). Second order asymptotic efficiency in terms of the asymptotic variance of sequential estimation procedures in the presence of nuisance parameters.   Sequential Analysis, 10, 27-43.

Akahira,M. .and Takeuchi,K. (1991). Asymptotic efficiency of estimators for a location parameter family of densities with the bounded support.   Rep. Stat. Appl. Res., JUSE, 38, 1-9.

Akahira,M. (1991). Second order asymptotic comparison of the discretized likelihood estimator with asymptotically efficient estimators in the double exponential case.   To appear in metron.

Akahira,M. and Takeuchi,K. (1991). A definition of information amount applicable to non-regular cases. To appear in the Journal of Computing and Information, II.

Aki,S. (1992). Waiting time problems for a sequence of discrete random variables. Ann. Inst. Statist. Math., 44, in press.

Chu,I.S. and Shirahata,S. (1991). Law of the iterated logarithm for two-sample empirical process and Chernoff-Savage statistics.   J. Japan Statistical Society, 21, 85-95.

Goto,M., Matsubara,Y., Yoden,A., Tsuchiya,Y. and Wakimoto,K. (1991). Statistical graphics ; A classified and selected bibliography.   J. Japan Statist. Soc., 21, 97-121.

Hirano,K. Aki,S. Kashiwagi,N. and Kuboki,H. (1991). On Ling's binomial and negative binomial distributions of order k.   Statistics & Probability Letters 11, 503-509.

Honda,M. and Konishi,S. (1990). Comparison of procedures for estimation of error rates in discriminant analysis under nonnormal populations.   Journal of Statistical Computation and Simulation, 36, 105-115.

Hosoya,Y. and Taniguchi,M. (1990). Higher order asymptotic theory for time series analysis. " Sugaku " (Mathematics), 42, 48-67, (in Japanese). 岩波.

Konishi,S. (1991). Normalizing transformations and bootstrap confidence intervals. To appear in Annals of Statistics, 19(4).

konishi,S., Khatri,C.G. and Rao,C.R. (1991). Inferences on multivariate measures of interclass and intraclass correlations in familial data. Journal of the Royal Statistical Society, Series B, 53, 649-659.

Konishi,S. and Khatri,C.G. (1990). Inferences on interclass and intraclass correlations in multivariate familial data. Annals of the Institute of Statistical Mathematics, 42, 561-580.

小西貞則 (1990). ブートストラップ法と信頼区間の構成, 応用統計学, 19, 137-162.

Kubokawa,T. (1990). Minimax estimation of common coefficients of several regression models under quadratic loss. Journal of Statistical Planning and Inference, 24, 337-345.

Kubokawa,T. (1990). Estimating powers of the generalized variance under the Pitman closeness criterion. Canadian Journal of Statistics, 18(1), 59-62.

Kubokawa,T. and Konno,Y. (1990). Estimating the covariance matrix and the generalized variance under a symmetric loss. Annals of the Institute of Statistical Mathematics, 42(2), 331-343.

Kubokawa,T. and Saleh,A.K.Md.E. (1990). Sequential shrinkage estimation for a coefficient matrix in a multivariate regression model. Journal of the Japan Statistical Society, 20(1), 33-42.

Kubokawa,T. (1990). Two-stage estimators with bounded risk in a growth curve model. Journal of the Japan Statistical Society, 20(1), 77-87.

Kubokawa,T. (1990). Sequential point estimation with bounded risk in a multivariate regression model. Tsukuba Journal of Mathematics, 14(1), 79-89.

Kubokawa,T. and Kim,W. (1990). Note on truncated estimators in recovery of interblock information. Journal of the Korean Statistical Society, 19(1), 88-92.

Kubokawa,T. (1991). An approach to improving the James-Stein estimator. Journal of Multivariate Analysis, 36(1), 121-126.

Kubokawa,T. Robert,C. and Saleh,A.K.Md.E. (1991). Robust estimation of common coefficients under spherical symmetry. Annals of the Institute of Statistical Mathematics, (to appear).

Kubokawa,T. (1991). Equivariant estimation under the Pitman closeness criterion. Communications in Statistics-Theory and Methods, (to appear).

久保木久孝 (1990). An interpretation of a candidate's formula. 京都大学
数理解析研究所講究録, 723, 82-86.

久保木久孝 (近刊). 数理情報科学事典(分担). 朝倉書店.

久保木久孝 (1991). 情報理論とモデル選択. 統計, 42(6), 4-11.

Kuboki,H. (1991). On selection of noninformative priors from information-theoret-
ic points of view. The Third Pacific Area Statistical Conference, 10-13.

Kuwada,M. (1991). An analysis of variance of partially balanced fractional $2^{m_1+m_2}$
factorial designs of resolution V. J. Japan Statist. Soc., 21, 43-59.

Kuwada,M. (1992). Robustness of balanced fractional 2^m factorial designs derived
from simple arrays. To appear in Discrete Math.

Kuwada,M. (1992). Analysis of variance of balanced fractional factorial designs.
To appear in Discrete Math.

前園宣彦, 大和 元 (1991). U-統計量とその周辺. 数学, 43, 205-216.

B.F.J.マンリー著, 村上正康・田栗正章訳 (1992). 多変量解析の基礎. 培風館, (150頁).

Myint Swe and Taniguchi,M. (1990). Higher order asymptotic properties of a weigh-
ted estimator for Gaussian ARMA process. J. Time Ser. Anal., 12, 83-93.

Nakai,T. (1990). A stochastic ordering and related sequential decision problems.
Journal of Information & Optimization Sciences, 11, 49-65.

Nakai,T. (1991). 同時に複数の割当が可能な Sequential stochastic assignment probl-
em について. 京都大学数理解析研究所講究録「最適化理論とその関連分野」, 747, 1-12

中井 達 (1992). 尤度比を用いた順序と多段決定問題について. 京都大学数理解析研究所
講究録「数理計画モデルにおける最適化理論」.

Nomakuchi,K. (1990). A sufficient condition for obtaining solutions of a maximiz-
ing problem by a projection. Mem. Fac. Sci., Kyushu Univ., 44, 145-153.

Nomakuchi,K. and Shi,N.-Z. (1992). A note on the orthant probability of elliptic-
ally contoured distribution. Comm. Stat., in press.

Nomakuchi,K. (1992). A note on the uniformly most powerful tests in the nuisance
prameters. Ann. Inst. Statist. Math., in press.

Sakata,T. (1992). Asymptotic normality and $1/\sqrt{n}$-Berry-Essen bound of power-sum
type distance on P_n. The Proceeding of the Fourth China-Japan Symposium on Sta-
tistics.

坂田年男, 高田佳和, 百武弘登 (1993). "基礎統計学", 朝倉書店.

Saleh, A. K. Md. E. and Shiraishi, T. (1992). On improved least squares estimators in multiple-design multivariate linear models under general restriction. The paper of "International Symposium on Nonparametric Statistics and Related Topics". North-Holland Publishing Co.

Sasabuchi, S., Inutsuka, M. and Kulatunga, D. D. S. (1992). An algorithm for computing multivariate isotonic regression. Hiroshima Math. J., 23, in press.

Shiraishi, T. (1990). R-estimators and confidence regions in one-way MANOVA. J. Statist. Plan. Infer., 24, 203-214.

Shiraishi, T. (1990). M-tests in multivariate models. Metrika, 37, 189-197.

白石高章, 神尾宣好, 大木庸代 (1990). k標本モデルにおける一様性のノンパラメトリック検定. 横浜市立大学論叢, 自然４２巻２号.

Shiraishi, T. (1991). Hypothesis testing and parameter estimation based on M-statistics in k samples with unequal variances. Metrika, 38, 163-178.

Shiraishi, T. (1991). On positive-part shrinkage R- and M-estimation in one-way anova. J. Japan Statist. Soc., 21, 61-72.

Shiraishi, T. (1991). Statistical inference based on aligned ranks for two-way manova with interaction. Ann. Inst. Statist. Math., 43, 715-734.

白石高章, 奥山修一 (1991). 乱数. 横浜市立大学論叢　自然科学系, 43, 印刷中.

白石高章 (1991). 身長・体重データの統計解析. 横浜市立大学論叢　自然科学系, 43, 印刷中.

白石高章, 松木郁子, 吉澤典子 (1991). 一元配置モデルにおけるパラメータに制約のある場合の統計解析――ソフトプログラミングと癌データの解析. 横浜市立大学論叢, 自然, 自然科学系, 43, 印刷中.

Shirakura, T. (1991). Main effect plus one plans for 2^m factorials. J. Statist. Plann. Inference, 27, 65-74.

Shirakura, T. and Tazawa, S. (1991). Series of main effect plus one or two plans for 2^m factorials when three-factor and higher order interactions are negligible. J. Japan Statist. Soc., 21, 211-219.

Shirakura, T. and Tazawa, S. (1992). A series of search designs for 2^m factorial designs of resolution V which permit search of one or two unknown extra three-factor interactions. Ann. Inst. Statist. Math., in press.

Shirahata, S. and Chu, I. S. (1991). Confidence band for distribution function. Studies Humanities Social Sci., 37, (in press).

Shirahata, S. and Chu, I.S. (1991). Iterated squared error of kernel-type estimator of distribution function. Ann. Inst. Statist. Math., (in press).

Sugiura, N. (1990). Graphs of the distributions of bivariate Wishart roots and their cumulants. J. Japan Statist. Soc., 20, 117-136.

Sugiura, N. (1991). Lower bounds for the risks of equivariant estimators of generalized variance. Nonparametric Statistics and Related Topics(Saleh, A.K.Md.E.Ed.) Elsevier, in press.

田栗正章, 井上隆勝 (1990). 国民生活基礎調査における平均所得の推定精度の改善について. 日本統計学会誌, 20, 235-253.

田栗正章, 井上隆勝 (1991). 国民生活基礎調査における平均所得の推定精度の改善について(2). 京都大学数理解析研究所講究録 749, 101-138.

Takada, Y. (1990). Sequential point estimation with bounded risk for the mean of a multivariate normal distribution. Sequential Analysis, 9, 165-170

Takada, Y. (1991). Specification error in sequential estimation. Kumamoto J. Math. 4, 5-9

Takada, Y. (1991). Median unbiasedness in an invariant prediction problem. Statist. & Probab. Letter, 12, 281-283.

Takada, Y. (1991). A sequential procedure with asymptotically negative regret for estimating the normal mean. Ann. Statist, 19, in press.

Taniguchi, M. and Maekawa, K. (1990). Asymptotic expansions of the distributions of statistics related to the spectral density matrix in multivariate time series and their applications. Econometric Theory, 6, 75-96.

Taniguchi, M. (1991). Third-order asymptotic properties of a class of test statistics under a local alternative. J. Multivariate Anal., 37, 223-238.

Taniguchi, M. (1991). Higher Order Asymptotic Theory for Time Series Analysis, Lecture Notes in Statistics 68, Springer-Verlag.

Taniguchi, M. and Kondo, M. (1991). Nonparametric approach in time series analysis. To appear in J. Time Ser. Anal.

Taniguchi, M. (1991). An automatic formula for the second-order approximation of the distributions of test statistics under contiguous alternatives. To appear in International Statistical Review.

Tazawa, S., Shirakura, T. and Tamura, S. (1991). Enumeration of digraphs with given number of vertices of odd out-degree and vertices of odd in-degree. Discrete Math., 90, 63-74.

寺岡義伸，中井　達 (1990). Noisy から Silent へ移行する非 0 和ゲームについて．
京都大学数理解析研究所講究録「決定理論とその周辺」，726，97-110．

Teraoka,Y. and Nakai,T. (1990). A game of timing which shifts stochastically from
a noisy version to a silent version.　Journal of Information & Optimization
Sciences, 11, 215-230.

脇本和昌，垂水共之，田中　豊 (1992). パソコン統計解析ハンドブック　VI，
グラフィックス編．共立出版．(出版予定).

Yajima,Y. (1990). Asymptotic properties of estimates in incorrect ARMA models for
long-memory time series.　To appear in Proc. of New Directions in Time Series
Analysis, Springer, New York.

Yajima,Y. (1991). Asymptotic properties of the LSE in a regression model with
long-memory stationary errors. ·· Ann. Statist., 19, 158-177.

Yamato,H. (1990). Uniformly minimum variance unbiased estimation for symmetric
normal distributions.　J. of Multivariate Anal., 34, 227-237.

Yamato,H. (1990). A probabilistic approach to stirling numbers of the first kind.
Commun. in Statist. Theory Meth., 19, 3915-3923.

Yamato,H. and Fujisaki,T. (1991). A probabilistic approach to expressions of Sti-
rling numbers of the first kind.　鹿児島大学　理学部紀要，24，印刷中．

Yasuda,M. (1991). On a separation of a stopping game problem for standard Browni-
an motion.　To appear in Contemporary Math., 125, AMS.

Yasuda,M., Kurano,M., Nakagami,J. and Yoshida,Y. (1992). A limit theorem in some
dynamic fuzzy systems.　To appear in Fuzzy Sets and Systems.

Yoshida,M. (1990). On Nelson process with boundary condition.　J. Math. Soc.
Japan, 42, 193-212.

Yoshida,M. (1992). A genelalization of Nelson's conservative diffusion. Proceedi-
ngs of workshop on "Probabilistic Methods in Mathematical Physics" held at Pont-
ignano in May 1991.　World Scientific Publishing Co. Pte. Ltd., in press.

Nagao,H. (1990). On jackknife statistics of eigenvectors of a covariance matrix.
Bul. Univ. Osaka Pref. Ser. A, 39, 89-94.

Nagao,H. (1991). On estimation of a median in small samples.　Math. Japon, 36,
563-569