

THE ANNALS  
*of*  
STATISTICS

*AN OFFICIAL JOURNAL OF THE*  
INSTITUTE OF MATHEMATICAL STATISTICS

Articles appearing in *The Annals of Statistics* (volumes 1–17) are indexed in the *Cumulative Index to IMS Scientific Journals*, available from the Institute of Mathematical Statistics.

VOLUME 22

## Articles

AKRITAS, MICHAEL G. Nearest neighbor estimation of a bivariate distribution under random censoring .....	1299–1327
ARCONES, MIGUEL A., CHEN, ZHIQIANG AND GINÉ, EVARIST. Estimators related to $U$ -processes with applications to multivariate medians: Asymptotic normality .....	1460–1477
BAI, JUSHAN. Weak convergence of the sequential empirical processes of residuals in ARMA models .....	2051–2061
BAR-LEV, SHAUL K., ENIS, PETER AND LETAC, GÉRARD. Sampling models which admit a given general exponential family as a conjugate family of priors .....	1555–1586
BERAN, R. AND MILLAR, P. W. Minimum distance estimation in random coefficient regression models .....	1976–1992
BERGER, JAMES O., BROWN, LAWRENCE D. AND WOLPERT, ROBERT L. A unified conditional frequentist and Bayesian test for fixed and sequential simple hypothesis testing .....	1787–1807
BERGER, JAMES O. AND YANG, RUOYONG. Estimation of a covariance matrix using the reference prior .....	1195–1211
BERTI, PATRIZIA AND RIGO, PIETRO. Coherent inferences and improper priors .....	1177–1194
BESAG, JULIAN. Discussion of “Markov chains for exploring posterior distributions” by Luke Tierney .....	1734–1741
BOSE, SUDIP. Bayesian robustness with mixture classes of priors .....	652–667
BROWN, LAWRENCE D., BERGER, JAMES O., AND WOLPERT, ROBERT L. A unified conditional frequentist and Bayesian test for fixed and sequential simple hypothesis testing .....	1787–1807
BÜHLMANN, PETER. Blockwise bootstrapped empirical process for stationary sequences .....	995–1012
BUJA, ANDREAS. Discussion of “The use of polynomial splines and their tensor products in multivariate function estimation,” by Charles J. Stone .....	171–177
BUJA, ANDREAS, DONNELL, DEBORAH J. AND STUETZLE, WERNER. Analysis of additive dependencies and concavities using smallest additive principal components .....	1635–1668
BUJA, ANDREAS, DONNELL, DEBORAH J. AND STUETZLE, WERNER. Rejoinder .....	1671–1673
BUJA, ANDREAS, LOGAN, B. F., REEDS, J. A. AND SHEPP, L. A. Inequalities and positive-definite functions arising from a problem in multidimensional scaling .....	406–438
CABAÑA, ALEJANDRA AND CABAÑA, ENRIQUE M. Goodness-of-fit and comparison tests of the Kolmogorov–Smirnov type for bivariate populations .....	1447–1459
CABAÑA, ENRIQUE M. AND CABAÑA, ALEJANDRA. Goodness-of-fit and comparison tests of the Kolmogorov–Smirnov type for bivariate populations .....	1447–1459

CHAN, KUNG SIK AND GEYER, CHARLES J. Discussion of “Markov chains for exploring posterior distributions” by Luke Tierney	1747–1758
CHANG, I-SHOU AND HSIUNG, CHAO A. Information and asymptotic efficiency in some generalized proportional hazards models for counting processes .....	1275–1298
CHANG, I-SHOU AND HSIUNG, CHAO A. Asymptotic consistency of the maximum likelihood estimate in position emission tomography and applications .....	1871–1883
CHATTOPADHYAY, MANAS K. Two-armed Dirichlet bandits with discounting .....	1212–1221
CHEN, HUNG AND SHIAU, JYH-JEN HORNG. Data-driven efficient estimators for a partially linear model .....	211–237
CHEN, ZHIQIANG, ARCONES, MIGUEL A. AND GINÉ, EVARIST. Estimators related to $U$ -processes with applications to multivariate medians: Asymptotic normality .....	1460–1477
CLINE, DAREN B. H. AND RUPPERT, DAVID. Bias reduction in kernel density estimation by smoothed empirical transformations ..	185–210
COHEN, ARTHUR, KEMPERMAN, J. H. B. AND SACKROWITZ, H. B. Projected tests for order restricted alternatives .....	1539–1546
COHEN, ARTHUR, KEMPERMAN, J. H. B. AND SACKROWITZ, H. B. Unbiased testing in exponential family regression .....	1931–1946
CRITCHLEY, FRANK, MARRIOTT, PAUL AND SALMON, MARK. Preferred point geometry and the local differential geometry of the Kullback–Liebler divergence .....	1587–1602
CROUX, CHRISTOPHE, HÖSSJER, OLA AND ROUSSEEUW, PETER J. Asymptotics of the repeated median slope estimator .....	1478–1501
DAVID, H. A. AND NAGARAJA, H. N. Distribution of the maximum of concomitants of selected order statistics .....	478–494
DEMBO, AMIR AND PERES, YUVAL. A topological criterion for hypothesis testing .....	106–117
DETTE, HOLGER. Discrimination designs for polynomial regression on compact intervals .....	890–903
DEVROYE, LUC. On good deterministic smoothing sequences for kernel density estimates .....	886–889
DEVROYE, LUC, GYÖRFI, LÁSZLÓ, KRZYŻAK, ADAM AND LUGOSI, GÁBOR. On the strong universal consistency of nearest neighbor regression function estimates .....	1371–1385
DONNELL, DEBORAH J., BUJA, ANDREAS AND STUETZLE, WERNER. Analysis of additive dependencies and concavities using smallest additive principal components .....	1635–1668
DONNELL, DEBORAH J., BUJA, ANDREAS AND STUETZLE, WERNER. Rejoinder .....	1671–1673
DONOHO, DAVID L. Statistical estimation and optimal recovery ..	238–270
DOSS, HANI. Discussion of “Markov chains for exploring posterior distributions” by Luke Tierney .....	1728–1734

DOSS, HANI. Bayesian nonparametric estimation for incomplete data via successive substitution sampling .....	1763–1786
DUDLEY, R. M. The order of the remainder in derivatives of composition and inverse operators for $p$ -variation norms .....	1–20
ENIS, PETER, BAR-LEV, SHAUL K. AND LETAC, GÉRARD. Sampling models which admit a given general exponential family as a conjugate family of priors .....	1555–1586
FAN, JIANQING AND HALL, PETER. On curve estimation by minimizing mean absolute deviation and its implications .....	867–885
FINE, TERRENCE L. AND SADROLHEFAZI, AMIR. Finite-dimensional distributions and tail behavior in stationary interval-valued probability models .....	1840–1870
FINNER, H. Two-sided tests and one-sided confidence bounds ...	1502–1516
FISHER, NICHOLAS I., HALL, PETER AND HOFFMANN, BRANKA. On the nonparametric estimation of covariance functions .....	2115–2134
FLURY, BERNARD. Discussion of “Analysis of additive dependences and concurvities using smallest additive principle components” by Deborah J. Donnell, Andreas Buja and Werner Steutzle .....	1668–1670
FOSTER, DEAN P. AND GEORGE, EDWARD I. The risk inflation criterion for multiple regression .....	1947–1975
FYGENSON, MENDEL AND RITOV, YA'ACOV. Monotone estimating equations for censored data .....	732–746
FYGENSON, MENDEL AND ZHOU, MAI. On using stratification in the analysis of linear regression models with right censoring ...	747–762
GAJEK, L. AND KALUSZKA, M. Lower bounds for the asymptotic Bayes risk in the scale model (with an application to the second order minimax estimation) .....	1831–1839
GEORGE, EDWARD I. AND FOSTER, DEAN P. The risk inflation criterion for multiple regression .....	1947–1975
GEYER, CHARLES J. On the asymptotics of constrained $M$ -estimation .....	1993–2010
GEYER, CHARLES J. AND CHAN, KUNG SIK. Discussion of “Markov chains for exploring posterior distributions” by Luke Tierney	1747–1758
GHOSH, JAYANTA K., SEN, PRANAB K. AND MUKERJEE, RAHUL. Second-order Pitman closeness and Pitman admissibility .....	1133–1141
GINÉ, EVARIST, ARCONES, MIGUEL A. AND CHEN, ZHIQIANG. Estimators related to $U$ -processes with applications to multivariate medians: Asymptotic normality .....	1460–1477
GORDON, LOUIS AND POLLAK, MOSHE. An efficient sequential nonparametric scheme for detecting a change of distribution ...	763–804
GÖTZE, F. AND HIPP, C. Asymptotic distribution of statistics in time series .....	2062–2088
GYÖRFI, LÁSZLÓ, DEVROYE, LUC, KRZYŻAK, ADAM, AND LUGOSI, GÁBOR. On the strong universal consistency of nearest neighbor regression function estimates .....	1371–1385

HALL, PETER AND FAN, JIANQING. On curve estimation by minimizing mean absolute deviation and its implications .....	867–885
HALL, PETER, FISHER, NICHOLAS I. AND HOFFMANN, BRANKA. On the nonparametric estimation of covariance functions .....	2115–2134
HALL, PETER AND MAMMEN, ENNO. On general resampling algorithms and their performance in distribution estimation ....	2011–2030
HARTIGAN, J. A. Linear estimators in change point problems ...	824–834
HASTIE, TREVOR. Discussion of “The use of polynomial splines and their tensor products in multivariate function estimation” by Charles J. Stone .....	177–179
HEILIGERS, BERTHOLD. <i>E</i> -optimal designs in weighted polynomial regression .....	917–929
HIPP, C. AND GÖTZE, F. Asymptotic distribution of statistics in time series .....	2062–2088
HOFFMANN, BRANKA, HALL, PETER AND FISHER, NICHOLAS I. On the nonparametric estimation of covariance functions .....	2115–2134
HÖSSJER, OLA, ROUSSEEUW, PETER J. AND CROUX, CHRISTOPHE. Asymptotics of the repeated median slope estimator .....	1478–1501
HSIUNG, CHAO A. AND CHANG, I-SHOU. Information and asymptotic efficiency in some generalized proportional hazards models for counting processes .....	1275–1298
HSIUNG, CHAO A. AND CHANG, I-SHOU. Asymptotic consistency of the maximum likelihood estimate in position emission tomography and applications .....	1871–1883
HU, XIAOMI AND WRIGHT, F. T. Monotonocity properties of the power functions of likelihood ratio tests for normal mean hypotheses constrained by a linear space and a cone .....	1547–1554
HUANG, J. S. AND HUANG, W. J. A reverse submartingale property of the range .....	474–477
HUANG, W. J. AND HUANG, J. S. A reverse submartingale property of the range .....	474–477
HUANG, YOUNPING AND ZHANG, CUN-HUI. Estimating a monotone density from censored observations .....	1256–1274
HWANG, J. T. GENE AND PEDDADA, SHYAMAL DAS. Confidence interval estimation subject to order restrictions .....	67–93
IOANNIDIS, EVANGELOS E. On the behavior of a Capon-type spectral density estimator .....	2089–2114
JACROUX, MIKE. On the construction of trend resistant mixed level factorial run orders.....	904–916
JING, BINGYI AND ROBINSON, JOHN. Saddlepoint approximations for marginal and conditional probabilities of transformed variables .....	1115–1132
JOHNSTONE, IAIN M. On minimax estimation of a sparse normal mean vector .....	271–289
KALUSZKA, M. AND GAJEK, L. Lower bounds for the asymptotic	

Bayes risk in the scale model (with an application to the second order minimax estimation) .....	1831–1839
KASALA, SUBRAMANYAM AND MATHEW, THOMAS. An exact confidence region in multivariate calibration .....	94–105
KASS, ROBERT E. AND SLATE, ELIZABETH H. Some diagnostics of maximum likelihood and posterior nonnormality .....	668–695
KEMPERMAN, J. H. B., COHEN, ARTHUR AND SACKROWITZ, H. B. Projected tests for order restricted alternatives .....	1539–1546
KEMPERMAN, J. H. B., COHEN, ARTHUR AND SACKROWITZ, H. B. Unbiased testing in exponential family regression .....	1931–1946
KNEIP, ALOIS. Ordered linear smoothers .....	835–866
KNEIP, ALOIS. Nonparametric estimation of common regressors for similar curve data .....	1386–1427
KONING, ALEX J. Approximation of the basic martingale .....	565–579
KOUL, HIRA L. AND OSSIANER, MINA. Weak convergence of randomly weighted dependent residual empiricals with applications to autoregression .....	540–562
KRZYŻAK, ADAM, DEVROYE, LUC, GYÖRFI, LÁSZLÓ AND LUGOSI, GÁBOR. On the strong universal consistency of nearest neighbor regression function estimates .....	1371–1385
KUBOKAWA, TATSUYA. A unified approach to improving equivariant estimators .....	290–299
LAI, TZE LEUNG. Asymptotic properties of nonlinear least squares estimates in stochastic regression models .....	1917–1930
LAI, TZE LEUNG AND YING, ZHILIANG. A missing information principle and $M$ -estimators in regression analysis with censored and truncated data .....	1222–1255
LAVINE, MICHAEL. More aspects of Polya tree distributions for statistical modelling .....	1161–1176
LAWLESS, JERRY AND QIN, JING. Empirical likelihood and general estimating equations .....	300–325
LETAC, GÉRARD, BAR-LEV, SHAUL K. AND ENIS, PETER. Sampling models which admit a given general exponential family as a conjugate family of priors .....	1555–1586
LI, BING AND McCULLAGH, PETER. Potential functions and conservative estimating functions .....	340–356
LINDSAY, BRUCE G. Efficiency versus robustness: The case for minimum Hellinger distance and related methods .....	1081–1114
LOADER, CLIVE R. AND SUN, JIAYANG. Simultaneous confidence bands for linear regression and smoothing .....	1328–1345
LOGAN, B. F., REEDS, J. A., SHEPP, L. A. AND BUJA, ANDREAS. Inequalities and positive-definite functions arising from a problem in multidimensional scaling .....	406–438
LUGOSI, GÁBOR, DEVROYE, LUC, GYÖRFI, LÁSZLÓ AND KRZYŻAK, ADAM. On the strong universal consistency of nearest neighbor regression function estimates .....	1371–1385

MAMMEN, ENNO AND HALL, PETER. On general resampling algorithms and their performance in distribution estimation . . . . .	2011–2030
MARRIOTT, PAUL, CRITCHLEY, FRANK AND SALMON, MARK. Preferred point geometry and the local differential geometry of the Kullback–Liebler divergence . . . . .	1587–1602
MASSAM, HÉLÈNE. An exact decomposition theorem and a unified view of some related distributions for a class of exponential transformation models on symmetric cones . . . . .	369–394
MATHEW, THOMAS AND KASALA, SUBRAMANYAM. An exact confidence region in multivariate calibration . . . . .	94–105
MCCULLAGH, PETER AND LI, BING. Potential functions and conservative estimating functions . . . . .	340–356
MCKEAGUE, IAN W. AND ZHANG, MEI-JIE. Identification of nonlinear time series from first order cumulative characteristics . . . . .	495–514
MENG, XIAO-LI. On the rate of convergence of the ECM algorithm	326–339
MENG, XIAO-LI. Posterior predictive $p$ -values . . . . .	1142–1160
MILLAR, P. W. AND BERAN, R. Minimum distance estimation in random coefficient regression models . . . . .	1976–1992
MITCHELL, TOBY, SACKS, JEROME AND YLVISAKER, DONALD. Asymptotic Bayes criteria for nonparametric response surface design . . . . .	634–651
MITTER, SANJOY K. AND SCHICK, IRVIN C. Robust recursive estimation in the presence of heavy-tailed observation noise . . . . .	1045–1080
MUKERJEE, RAHUL, GHOSH, JAYANTA K. AND SEN, PRANAB K. Second-order Pitman closeness and Pitman admissibility . . . . .	1133–1141
MURPHY, S. A. Consistency in a proportional hazards model incorporating a random effect . . . . .	712–731
MYKLAND, PER ASLAK. Bartlett type identities for martingales ..	21–38
NAGARAJA, H. N. AND DAVID, H. A. Distribution of the maximum concomitants of selected order statistics . . . . .	478–494
NAIK-NIMBALKAR, U. V. AND RAJARSHI, M. B. Validity of blockwise bootstrap for empirical processes with stationary observations . . . . .	980–994
NEUHAUSER, CLAUDIA. A Poisson approximation for sequence comparisons with insertions and deletions . . . . .	1603–1629
OSSIANDER, MINA AND KOUL, HIRA L. Weak convergence of randomly weighted dependent residual empiricals with applications to autoregression . . . . .	540–562
OWEN, ART. Lattice sampling revisited: Monte Carlo variance of means over randomized orthogonal arrays . . . . .	930–945
PEDDADA, SHYAMAL DAS AND HWANG, J. T. GENE. Confidence interval estimation subject to order restrictions . . . . .	67–93
PERES, YUVAL AND DEMBO, AMIR. A topological criterion for hypothesis testing . . . . .	106–117
PINELIS, IOSIF. Extremal probabilistic problems and Hotelling's $T^2$ test under a symmetry condition . . . . .	357–368

- PITTS, SUSAN M. Nonparametric estimation of the stationary waiting time distribution function for the  $GI/G/1$  queue ..... 1428–1446
- POLITIS, DIMITRIS N. AND ROMANO, JOSEPH P. Large sample confidence regions based on subsamples under minimal assumptions ..... 2031–2050
- POLLAK, MOSHE AND GORDON, LOUIS. An efficient sequential nonparametric scheme for detecting a change of distribution ..... 763–804
- QIN, JING AND LAWLESS, JERRY. Empirical likelihood and general estimating equations ..... 300–325
- RAJARSHI, M. B. AND NAIK-NIMBALKAR, U. V. Validity of blockwise bootstrap for empirical processes with stationary observations ..... 980–994
- REEDS, J. A., SHEPP, L. A., BUJA, ANDREAS AND LOGAN, B. F. Inequalities and positive-definite functions arising from a problem in multidimensional scaling ..... 406–438
- RIGO, PIETRO AND BERTI, PATRIZIA. Coherent inferences and improper priors ..... 1177–1194
- RITOV, YA'ACOV AND FYGENSON, MENDEL. Monotone estimating equations for censored data ..... 732–746
- ROBERT, CHRISTIAN P. Discussion of “Markov chains for exploring posterior distributions” by Luke Tierney ..... 1742–1747
- ROBINSON, JOHN AND JING, BINGYI. Saddlepoint approximations for marginal and conditional probabilities of transformed variables ..... 1115–1132
- ROBINSON, P. M. Semiparametric analysis of long-memory time series ..... 515–539
- ROMANO, JOSEPH P. AND POLITIS, DIMITRIS N. Large sample confidence regions based on subsamples under minimal assumptions ..... 2031–2050
- ROUSSEEUW, PETER J., HÖSSJER, OLA AND CROUX, CHRISTOPHE. Asymptotics of the repeated median slope estimator ..... 1478–1501
- RUKHIN, ANDREW L. Recursive testing of multiple hypotheses: Consistency and efficiency of the Bayes rule ..... 616–633
- RUPPERT, DAVID AND CLINE, DAREN B. H. Bias reduction in kernel density estimation by smoothed empirical transformations ..... 185–210
- RUPPERT, D. AND WAND, M. P. Multivariate locally weighted least squares regression ..... 1346–1370
- RYDÉN, TOBIAS. Consistent and asymptotically normal parameter estimates for hidden Markov models ..... 1884–1895
- SACKROWITZ, H. B., COHEN, ARTHUR AND KEMPERMAN, J. H. B. Projected tests for order restricted alternatives ..... 1539–1546
- SACKROWITZ, H. B., COHEN, ARTHUR AND KEMPERMAN, J. H. B. Unbiased testing in exponential family regression ..... 1931–1946
- SACKS, JEROME, YLVISAKER, DONALD AND MITCHELL, TOBY. Asymptotic Bayes criteria for nonparametric response surface design ..... 634–651

SADROLHEFAZI, AMIR AND FINE, TERRENCE L. Finite-dimensional distributions and tail behavior in stationary interval-valued probability models .....	1840–1870
SALMON, MARK, CRITCHLEY, FRANK AND MARRIOTT, PAUL. Preferred point geometry and the local differential geometry of the Kullback–Liebler divergence .....	1587–1602
SCHICK, IRVIN C. AND MITTER, SANJOY K. Robust recursive estimation in the presence of heavy-tailed observation noise .....	1045–1080
SEN, PRANAB K., GHOSH, JAYANTA K. AND MUKERJEE, RAHUL. Second-order Pitman closeness and Pitman admissibility .....	1133–1141
SHAO, JUN. <i>L</i> -statistics in complex survey problems .....	946–967
SHAO, PETER YI-SHI AND STRAWDERMAN, WILLIAM E. Improving on the James–Stein positive-part estimator .....	1517–1538
SHEN, XIAOTONG AND WONG, WING HUNG. Convergence rate of sieve estimates .....	580–615
SHEPP, L. A., REEDS, J. A., BUJA, ANDREAS AND LOGAN, B. F. Inequalities and positive-definite functions arising from a problem in multidimensional scaling .....	406–438
SHERMAN, ROBERT P. Maximal inequalities for degenerate <i>U</i> -processes with applications to optimization estimators .....	439–459
SHIAU, JYH-JEN HORNG AND CHEN, HUNG. Data-driven efficient estimators for a partially linear model .....	211–237
SLATE, ELIZABETH H. AND KASS, ROBERT E. Some diagnostics of maximum likelihood and posterior nonnormality .....	668–695
SRIRAM, T. N. Invalidity of bootstrap for critical branching processes with immigration .....	1013–1023
SRIVASTAVA, M. S. AND WU, YANHONG. Dynamic sampling plan in Shiryaev–Roberts procedure for detecting a change in the drift of Brownian motion .....	805–823
STĘPNIAK, C. A note on comparison of genetic experiments .....	1630–1632
STONE, CHARLES J. The use of polynomial splines and their tensor products in multivariate function estimation .....	118–171
STONE, CHARLES J. Rejoinder .....	179–184
STRAWDERMAN, WILLIAM E. AND SHAO, PETER YI-SHI. Improving on the James–Stein positive-part estimator .....	1517–1538
STUETZLE, WERNER, DONNELL, DEBORAH J. AND BUJA, ANDREAS Analysis of additive dependencies and concurvities using smallest additive principal components .....	1635–1668
STUETZLE, WERNER, DONNELL, DEBORAH J. AND BUJA, ANDREAS Rejoinder .....	1671–1673
STUTE, WINFRIED. Universally consistent conditional <i>U</i> -statistics.	460–473
SUN, DONGCHU. Integrable expansions for posterior distributions for a two parameter exponential family .....	1808–1830
SUN, JIAYANG AND LOADER, CLIVE R. Simultaneous confidence bands for linear regression and smoothing .....	1328–1345

- TAKAGI, YOSHIJI. Local asymptotic minimax risk bounds for asymmetric loss functions ..... 39–48
- TIERNEY, LUKE. Markov chains for exploring posterior distributions ..... 1701–1728
- TIERNEY, LUKE. Rejoinder ..... 1758–1762
- TYLER, DAVID E. Finite sample breakdown points of projection based multivariate location and scatter statistics ..... 1024–1044
- UHLIG, HARALD. On singular Wishart and singular multivariate beta distributions ..... 395–405
- VAN DER VAART, AAD. Maximum likelihood estimation with partially censored data ..... 1896–1916
- WAND, M. P. AND RUPPERT, D. Multivariate locally weighted least squares regression ..... 1346–1370
- WEISBERG, S. AND WELSH, A. H. Adapting for the missing link ... 1674–1700
- WELSH, A. H. AND WEISBERG, S. Adapting for the missing link ... 1674–1700
- WOLPERT, ROBERT L., BERGER, JAMES O. AND BROWN, LAWRENCE D. A unified conditional frequentist and Bayesian test for fixed and sequential simple hypothesis testing ..... 1787–1807
- WONG, WING HUNG AND SHEN, XIAOTONG. Convergence rate of sieve estimates ..... 580–615
- WRIGHT, F. T. AND HU, XIAOMI. Monotonicity properties of the power functions of likelihood ratio tests for normal mean hypotheses constrained by a linear space and a cone ..... 1547–1554
- WU, YANHONG AND SRIVASTAVA, M. S. Dynamic sampling plan in Shirayev–Roberts procedure for detecting a change in the drift of Brownian motion ..... 805–823
- XIANG, XIAOJING. On the Berry–Esseen bound for  $L$ -statistics in the non-i.d. case with applications to the estimation of location parameters ..... 968–979
- YANG, RUOYONG AND BERGER, JAMES O. Estimation of a covariance matrix using the reference prior ..... 1195–1211
- YEH, LAM. Bayesian variable sampling plans for the exponential distribution with type I censoring ..... 696–711
- YING, ZHILIANG AND LAI, TZE LEUNG. A missing information principle and  $M$ -estimators in regression analysis with censored and truncated data ..... 1222–1255
- YLVISAKER, DONALD, MITCHELL, TOBY AND SACKS, JEROME. Asymptotic Bayes criteria for nonparametric response surface design ..... 634–651
- ZHANG, CUN-HUI AND HUANG, YOUNG. Estimating a monotone density from censored observations ..... 1256–1274
- ZHANG, HEPING. Confidence regions in linear functional relationships ..... 49–66
- ZHANG, MEI-JIE AND MCKEAGUE, IAN W. Identification of nonlinear time series from first order cumulative characteristics ..... 495–514

- ZHOU, MAI AND FYGENSON, MENDEL. On using stratification in the analysis of linear regression models with right censoring ... 747-762

**Acknowledgment of Priority**

- NABEYA, SEIJI AND TANAKA, KATSUTO. Asymptotic theory of a test for the constancy of regression coefficients against the random walk alternative ..... 563  
TANAKA, KATSUTO AND NABEYA, SEIJI. Asymptotic theory of a test for the constancy of regression coefficients against the random walk alternative ..... 563

**Correction**

- CIFARELLI, DONATO MICHELE AND REGAZZINI, EUGENIO. Distribution functions of means of a Dirichlet process ..... 1633-1634  
REGAZZINI, EUGENIO AND CIFARELLI, DONATO MICHELE. Distribution functions of means of a Dirichlet process ..... 1633-1634