

# THE ANNALS *of* STATISTICS

AN OFFICIAL JOURNAL OF  
THE INSTITUTE OF MATHEMATICAL STATISTICS

<b>Articles</b>	PAGE
Defining the curvature of a statistical problem (with applications to second order efficiency).....BRADLEY EFRON	1189
Discussion on Professor Efron's paper by D. R. Cox, A. P. Dawid, J. K. Ghosh, N. Keiding, L. Le Cam, D. V. Lindley, J. Pfanzagl, D. A. Pierce, C. R. Rao and J. Reeds	
Invariant tests for uniformity on compact Riemannian manifolds based on Sobolev norms.....EVARIST GINÉ M.	1243
Approximations to the expected sample size of certain sequential tests M. POLLAK AND D. SIEGMUND	1267
Maximum likelihood estimation of parameters of autoregressive processes with moving average residuals and other covariance matrices with linear structure.....T. W. ANDERSON	1283
Efficient estimation of transition probabilities in a Markov chain DO SUN BAI	1305
Minimax estimation of location vectors for a wide class of densities JAMES BERGER	1318
Nonparametric maximum likelihood estimation of probability densities by penalty function methods G. F. DE MONTRICHER, R. A. TAPIA AND J. R. THOMPSON	1329
<b>Short Communications</b>	
A central limit theorem under contiguous alternatives K. BEHNEN AND G. NEUHAUS	1349
Noninvertible transfer functions and their forecasts.....DAVID A. PIERCE	1354
Estimating generating functions.....M. H. HOYLE	1361
On re-pairing observations in a broken random sample.....PREM K. GOEL	1364
<b>Notes</b>	
Corrections to "On some global measures of the deviations of density function estimates".....P. J. BICKEL AND M. ROSENBLATT	1370
Correction to "On the existence of a minimal sufficient subfield" MINORU HASEGAWA AND MICHAEL D. PERLMAN	1371

---

Vol. 3, No. 6—November 1975

