

**JOURNAL OF
INFORMATION & OPTIMIZATION SCIENCES**

Index of Volume 16 (1995)

Number 1, January

H. A. MUTTLAK : Combining the line intercept sampling with the ranked set sampling	1-16
J. M. YEH, C. LIN AND K. J. CHANG : Dynamical neural network approach to the job-shop scheduling	17-38
A. LIM : Performance oriented spanning trees	39-47
K. IWAMURA : Lexicographically optimal base of a submodular system with respect to a weight vector	49-60
F. FABRIS : Periods distribution in the linear feedback generalized registers	61-82
K. L. MAK AND K. K. LAI : A Partial fill problem in inventory control	83-100
M. S. CHEN AND C. T. CHANG : The optimal compensation for heterogeneous salesforce	101-111
H. YOU AND F. ZHOU : Construction of cartesian authentication codes from pseudo symplectic geometry	113-125
I. J. TANEJA : On unified (R, S) -information measures	127-176
O. K. GUPTA : Applications of quadratic programming	177-194
<i>Book Review</i>	195-196
<i>Announcements</i>	197-198

Number 2, May

A. GALLO AND A. M. PICCIRILLO : Existence theorems for two classes of second order evolution variational inequalities	199-214
H. J. CHANG AND F. J. LIN : Forecasting measurement data using the stepwise data adjustment regression method	215-229
F. EUGENI AND S. INNAMORATI : Covers in block designs	231-236
A. CRESCENZI AND S. INNAMORATI : A geometric method for magnetic field coupling analysis	237-241
C. L. JO, D. S. KIM AND G. M. LEE : Optimality for nonlinear programs containing n -set functions	243-253
S. A. EL-ZAHABY : Necessary conditions for boundary control problem governed by variational inequalities with an infinite number of variables	255-262

I. KARI AND G. THIERRIN : K -Catenation and applications k -prefix codes	263–276
M. H. AL-TOWAIQ : Reverse process of absorbing Markov Chains with r absorbing states	277–280
B. M. AL-EIDEH : Quasi stationary distributions in Markov Chains with absorbing subchains	281–286
M. S. CHEN AND J. S. WU : The best opportunity and quantity of complete pre-ordered merchandise supply	287–293
I. N. ANTONOPOULOU, S. G. PAPASTAVRIDIS AND P. T. SYPSAS : Strict circular consecutive k out of n systems	295–300
J. WOO AND M. M. ALI : Parametric estimates in a generalized pareto distribution	301–306
A. H. JOARDER AND A. U. ALAM : The Characteristic functions of elliptical T -distribution using a conditional expectation approach	307–310
R. P. SINGH, S. N. GUPTA AND M. A. A. AL-MOMANI : On weighted poisson mixture of distributions	311–316
A. GUPTA, V. VERMA AND M. C. PURI : Time-cost trade-off relations in bulk transportation problem	317–325
S. K. BHATTACHARJEE AND I. R. DUNSMORE : The predictive influence of variables in a normal regression model	327–334
Y. C. LIN AND L. R. CHOW : Generation of solved instances of multiconstraint knapack problem and its applications to private key cipher	335–350
D. L. SANTOS, J. L. HUNSUCKER AND D. E. DEAL : Flow- mult : Permutation sequences for flow shops with multiple processors	351–366
T. SEN AND P. DILEEPAN : Single machine jobshop scheduling problem with weighted quadratic function of job lateness : a branch and bound approach	367–380
D. J. WHITE : Mean-variance analysis in infinite horizon non- discounted Markov decision processes : technical note	381–386
<i>Announcements</i>	387–388
Number 3, September	
W. ABU-DAYYEH, H. AL-RAWWASH AND M. AL-RAWWASH : On the LRT in case of a bivariate normal distribution for testing simple hypothesis against two sided alternative	389–402
M. KURANO AND Y. HUANG : Average reward Markov decision processes with multiple cost constraints	403–415

H. A. MUTTLAK : Encounter sampling with the line intercept sampling method	417–427
D. J. WHITE : On a Markov decision process problem involving the maximum of the difference between two functions : technical note	429–435
M. TORRIGIANI AND P. L. ZEZZA : An Optimal control strategy for a sinking fund problem	437–447
W. F. KLOSTERMEYER : On-line scheduling with optimal worst-case response time	449–460
R. PINI AND C. SINGH : Sectionally convexible functions	461–470
A. M. S. SAYFY : A $ \alpha $ -stable additive runge-kutta methods for stiff I. V. P's	471–480
T. NAKAI : Search model for a randomly arriving and disappearing target	481–489
T. NAKAI : Dynamical and game-theoretical approaches to an optimal patrol problem	491–500
M. S. CHEN AND T. C. PAI : The decision of designing an effective bonus scheme for the monopolist and his heterogeneous sales forces	501–515
M. S. CHEN AND H. M. LEE : Optimal linear taxation under random income	517–532
B. K. DASS, F. EUGENI AND S. INNAMORATI : Low-density burst error locating/correcting linear codes	533–548
A. SAPOUNAKIS AND P. TSIKOURAS : Nested sets of pairs	549–555
J. F. KORSH : A-order generation of k -ary trees with a $4k-4$ letter alphabet	557–564
A. H. JOARDER AND M. A. HOSSAIN : Estimation of the trace of the scale matrix of the scale mixture of multivariate normal distributions	565–572
C. CANTZOS : Optimizing routine inventory reorder quantity	573–577
M. S. CHEN AND S. C. HUNG : Cognitive approach in an icon-based human-computer interface design	579–584
J. N. SINGH, S. RANJAN AND D. SINGH : A modified termination rule for Karmarkar's algorithm	585–591
D. P. COLUZZI : On a partition of a three dimensional affine space over $GF(q)$, q odd	593–598
<i>Announcements</i>	599–600
<i>Index of Volume 16 (1995)</i>	601–603