

**JOURNAL OF  
INFORMATION & OPTIMIZATION SCIENCES**

**Index of Volume 11 (1990)**

**Number 1, January**

T. NAKAI : A preemptive detection game	1-15
T. NAKAI : Optimal search for an object with unknown type	17-31
K. TANAKA AND C. MATSUDA : On a continuously discounted vector valued Markov decision process	33-48
T. NAKAI : A stochastic decision problems ordering and related sequential	49-65
B. SRINIVASAN, K.K. CHAN AND K.J. MCDONELL : Subsystem approach for integrative enforcement	67-80
J.N. PEARSON : The effect of production process economies and price on optimal marketing expenditures and performance	81-100
V. C. DA ROCHA JR., ROM.C. DE SOUZA AND P.G. FARRELL : Multilevel pseudocyclic codes	101-106
M.C. ER AND A.C. NO : Structured programming as an effective tool in teaching accounting information systems	107-112
M.C. ER : The history of the development of information technology and its organizational and societal impact	113-141
S. CARUK : Testing system availability hypotheses	145-146
L. BERARDI, M. DI FONSO AND F. EUGENI : Threshold schemes based on Criss-Cross block designs	153-160
A. MATURO : Conditional probabilities obtained by probabilities with values on the field of bilateral series	161-170
K. ANO : Bilateral secretary problem recognizing the maximum or the second maximum of a sequence	177-188
L. BERARDI : Some remarks about an electronic signature derived from a generalized RSA-code	189-194
<i>Announcements</i>	195-198

**Number 2, May**

R.T. ARORA AND R.K. TUTEJA : A control policy for a single server queue	199–206
P. SOLE : An inversion formula for Krawtchouk polynomials with applications to coding theory	207–213
Y. TERAOKA AND T. NAKAI : A game of timing which shifts stochastically from a noisy version to a silent version	215–230
T.W. REILAND : Saddlepoint problems in nondifferentiable programming	231–248
F. FABRIS : A lower bound on the expected complexity in the set of $n$ -tuples of given weight	249–262
B. MICALE AND M. PENNISI : Intersections among ordered quadruple systems	263–283
H.J. WEINER : A critical emigration branching process	285–293
M.C. ER : A taxonomy of software development environments and their applicabilities to supporting evolutionary information systems development	295–307
H. AL-RAWWASH AND M.S. AHMED : Testing simple hypothesis about the mean of normal distribution	309–317
C. SINGH : Multiobjective programming strong vector duality	319–326
K.BRIJPAUL AND B.D. SHARMA : The performance function of a discrete memoryless communication channel	327–336
A. CELONA : Construction of factorized Steiner quadruple systems of order 16 with blocking Sets	337–341
K. BRIJPAUL AND B.D. SHARMA : Regularizing the augmented cost matrix arising from the performance function of a DMC	343–351
A. CELONA AND R. ROMANO : Some properties of Steiner systems $S(2, 4, v)$ and $S(3, 5, v)$ having transversals	353–358
I.M. MULVEY, S.A. ZEINOS AND D.P. AHLFBLD : Simplicial decomposition for convex generalized networks	359–387
<i>Announcements</i>	389–391

**Number 3, September**

P. DILIEEPAN, M.Z. YAKIN AND B. KHUMAWALA : A heuristic algorithm for multi-period delivery planning problems	393–412
R.J. WEINER : A multi-type critical emigration branching process	413–424
K.O. JORNSTEN AND S. HOLM : Cardinality constrained decomposition	425–442
H. WEINER : An asymmetric bang-bang partially observed stochastic control problem	443–448
S.S. CHITGOPBKAR AND S.S. RAO : A comment on and correction to the holding cost expression in the determination of safety stock	449–456
Y.P. GUPTA. P.K. BAGCHI AND R.P. RAO : A comparative analysis of the performance of alternative discriminant procedures : an application to bankruptcy prediction	457–471
Y. YOSHIDA : On an optimal stopping problem for multi parameter diffusion processes	473–492
T. NAKAI : Optimal search model with compulsory stop for a randomly arriving target	493–503
A. CHARNES AND D. ZHANG : A further generalized Kettlele algorithm with multiple constraints	505–523
HL. FU : More results on the intersections of latin squares	525–535
T. NAKAI : Optimal search for a passing target	551–553
<i>Index of Volume 11 (1990)</i>	555–558
<i>Announcements</i>	