

## 「待ち行列」関係論文リスト

1969年～1971年

待ち行列研究部会編

待ち行列研究部会は、1970年から71年度にかけて活動を行なったが、その活動の一部に、1969年から1971年にわたる文献の収集があった。これは、1969年頃までの分は『応用待ち行列事典』（廣川書店、1971年発行）に掲載されている、との了解に基づき、それ以後の分を収集したわけである。

部会解散とともにその収集活動も終わったが、せめて、そのリストだけは残そうということになって、著者別・雑誌別・項目別の三つのリストに整理

し、学会に報告しておいた。以下は、そのうちの雑誌別を除くリストである。

今まで掲載の機会が無かったため、今となっては少々古いリストであるが、なんらかのご参考になれば幸いである。なお、待ち行列研究部会の活動については、本誌、第15巻第4号245頁の「部会だより」に報告している。

(部会主査 森村英典)

## 1. 著者別リスト

- 001 Adiri, I. and B. Avi-Itzhak, "A time-sharing queue, *Management Sci.*," **15**, 11 (1969 a), 639-657.
- 002 Adiri, I. and B. Avi-Itzhak, "A time-sharing queue with a finite number of customer," *Res. J. ACM*, **16**, 2 (1969 b), 315-323.
- 003 Adiri, I., "Computer time-sharing queues with priorities," *J. ACM*, **16**, 4 (1969c), 631-645.
- 004 Adiri, I. and B. Avi-Itzhak, "A time-sharing model with many queues," *Opns.*, **17**(1969d), 1077-1089.
- 005 Adiri, I., "A dynamic time-sharing priority queue," *J. ACM*, **18**, 4 (1971 a), 603-610.
- 006 Adiri, I., "A note on some mathematical models of time-sharing systems," *J. ACM*, **18**, 4 (1971 b), 611-615.
- 007 Afanas'eva, L. G. and A. V. Martynov, "Ergodic properties of queueing systems with bounded sojourn time," *Theory Prob. Appl.*, **14**, 1 (1969), 105-114.
- 008 秋山 稔, 山口武彦, "多元トラヒック処理に関する検討—割込・待合せ方式—", 信学論, **53-A**, 5 (1970 a), 249-256.
- 009 秋山 稔, 山口武彦, "多元トラヒック処理の一方式—回線予測留保方式—", 信学論, **53-A**, 9 (1970 b), 496-497.
- 010 秋山 稔, 山口武彦, "多元トラヒック処理に関する検討—伝送速度変化方式—", 信学論, **53-A**, 10 (1970 c), 549-557.
- 011 Ali, H. "Two results in the theory of queues," *J. Appl. Prob.*, **7**, 1 (1970), 217-226.
- 012 Ali Khan, M. S., "Finite dams with inputs, forming a Markov Chain," *J. Appl. Prob.*, **7**, 2 (1970), 291-303.
- 013 青野 繁, 野口正一, 大泉充郎, "二段直列型処理系のシステム効率に関する一考察", 電子通信学会論文誌, **52-C**, 10 (1969), 618-625.
- 014 青野 繁, 野口正一, 大泉充郎, "二段直列型処理系の処理率に関する一考察", 電子通信学会論文誌, **53-C**, 11 (1970), 831-838.
- 015 Asher, J. R. and C. E. Skinner, "Effects of storage contention on system performance," *IBM System J.*, **8** (1969), 313-333.
- 016 Avi-Itzhak, B. and I. Adiri, "A time-sharing queue," *Management Sci.*, **15**, 11 (1969a), 639-657.
- 017 Avi-Itzhak, B. and I. Adiri, "A time-sharing queue with a finite number of customers," *J. ACM*, **16**, 2 (1969 b), 315-323.
- 018 Avi-Itzhak, B. and I. Adiri, "A time-sharing model with many queues," *Opns. Res.*, **17** (1969 c), 1077-1089.
- 019 Balachandran, K. R., "Parametric Priority

- Rules : An approach to optimization in priority queues," *Opns. Res.*, **18**, 3 (1970), 526-540.
- 020 Balachandran, K. R., "Queue length dependent priority queues," *Management Sci.*, **17**, 7 (1971), 463-471.
- 021 Barnett, V. D., "The supply pattern for a fleet of vehicles regularly operating on a fixed route," *Opl. Res. Q.*, **21**, 1 (1970), 107-112.
- 022 Bhat, U. N., "Sixty years of queueing theory," *Management Sci.*, **15**, 6 (1969), B-280-B-294.
- 023 Bhat, U. N., "A controlled transportation queueing process," *Management Sci.*, **16**, 7 (1970 a), 446-452.
- 024 Bhat, U. N., "Some queueing systems with mixed disciplines," *SIAM J. Appl. Math.*, **18**, 2 (1970 b), 415-432.
- 025 Bhat, U. N. and R. E. Nance, "Busy period analysis of a time-sharing system modeled as a semi-Markov process," *J. ACM*, **18**, 2 (1971), 221-238.
- 026 Blomqvist, N., "Estimation of waiting-time parameters in the  $GI/G/1$  queueing system (Part I)," *Skand. AktuarTidskr.*, (1968) 178-197.
- 027 Blomqvist, N., "Estimation of waiting-time parameters in the  $GI/G/1$  queueing system (Part II-heavy traffic approximations)," *Skand. Aktuar-Tidskr.*, (1969) 125-136.
- 028 Blomqvist, N., "On the transient behavior of the  $GI/G/1$  waiting-times," *Skand. Aktuar-Tidskr.*, (1970) 118-129.
- 029 Blumenfeld, D. E., "On queue splitting to reduce waiting times," *Transportation Res.*, **4** (1970), 141-144.
- 030 Boes, D. C., "Note on the output of a queueing system," *J. Appl. Prob.*, **6**, 2 (1969), 459-461.
- 031 Brosh, I., "Preemptive priority assignment in multichannel systems," *Opns. Res.*, **17**, 3 (1969), 526-535.
- 032 Brosh, I., "The policy space structure of Markovian systems with two types of service," *Management Sci.*, **16**, 9 (1970), 607-621.
- 033 Brown, M. and S. M. Ross, "Some results for infinite server Poisson queue," *J. Appl. Prob.*, **6**, 3 (1969), 604-611.
- 034 Brown, M., "An  $M/G/\infty$  estimation problem," *Ann. Math. Statist.*, **41**, 2 (1970), 651-654.
- 035 Brumelle, S. L., "On the relation between customer and time averages in queues," *J. Appl. Prob.*, **8**, 3 (1971), 508-520.
- 036 Burge, W. H. and A. G. Konheim, "An accessing model," *J. ACM*, **18**, 3 (1971), 400-404.
- 037 Burke, P. J., "The dependence of sojourn times in tandem  $M/M/s$  queues," *Opns. Res.*, **17**, 4 (1969), 754-755.
- 038 Chan, Wah-Chun, "A computer processing queueing system with feedback," *Information and Control*, **16** (1970), 473-486.
- 039 Chang, W., "Queueing analysis of real-time computer processing," *Management Sci.*, **15**, 11 (1969), 658-671.
- 040 Chang, W., "Single-server queueing processes in computing systems," *IBM System J.*, **9**, 1 (1970), 36-71.
- 041 Cheong, C. K., "Quasi-stationary distributions in semi-Markov processes," *J. Appl. Prob.*, **7**, 2 (1970), 388-399.
- 042 Chu, W. W., "Buffer behavior for batch Poisson arrivals and single constant output," *IEEE Trans. on Comm. Technology*, **Com-18**, 5 (1970 a), 613-618.
- 043 Chu, W. W., "Buffer behavior for Poisson arrivals and multiple synchronous constant outputs," *IEEE Trans. Computers*, **C-19**, 6 (1970 b), 530-533.
- 044 Coffman, E. G., "Analysis of a drum input/output queue under scheduled operation in a paged computer system," *J. ACM*, **16**, 1 (1969 a), 73-90.
- 045 Coffman, E. G., "Markov chain analysis of multi programmed computer systems," *Nav. Res. Logist. Q.*, **16**, 2 (1969), 175-198.
- 046 Coffman, E. G., R. R. Muntz, and H. Trotter, "Waiting time distribution for processor-sharing systems," *J. ACM*, **17**, 1 (1970), 123-130.
- 047 Cohen, J. W., "On the busy periods for the  $M/G/1$  queue with finite and with infinite waiting room," *J. Appl. Prob.*, **8**, 4 (1971), 821-827.
- 048 Coleman, R. and J. L. Gastwirth, "Some model for interaction of renewal processes rela-

- ted to neuron firing," *J. Appl. Prob.*, **6**, 1 (1969), 38-58.
- 049 Conolly, B. W. and N. Handidi, "A correlated queue," *J. Appl. Prob.*, **6**, 1 (1969), 122-136.
- 050 Conolly, B. W., "Some applications of infinite service capacity service systems to a single server system with lineary state dependent service," *J. Appl. Prob.*, **8**, 1 (1971 a), 202-207.
- 051 Conolly, B. W. and A. E. Gibson, "On certain unrestricted, linear, unit step, continuous time random walk," *J. Appl. Prob.*, **8**, 2 (1971 b), 374-380.
- 052 Cooper, R. B. and G. Murray, "Queues served in cyclic order," *BSTJ*, **48**, 3 (1969), 675-689.
- 053 Cooper, R. B., "Queues served in cyclic order: waiting times," *BSTJ*, **49**, 3 (1970), 399-413.
- 054 Courtoris, P. J. and J. Georges, "On a single-server finite queueing model with statedependent arrival and service processes," *Opns. Res.*, **19**, 2 (1971), 424-435.
- 055 Cox, D. R. and D. V. Hinkley, "Some properties of multi-server queues with appointments," *J. Roy. Statist. Soc.*, A, 133 (1970), 1-15.
- 056 Cramér, H., M. R. Leadbetter and R. J. Serfling, "On distribution ft. —Moment relationship in a stationary point proc.," *Z. Wahr.*, **18**, (1971), 1-8.
- 057 Craven, B. D., "Asymptotic correlation in a queue," *J. Appl. Prob.*, **6**, 3 (1969), 573-583.
- 058 Cunnington, A., "Constraints on real-time computer systems," *Ericsson Tech.*, **25**, 2 (1969), 59-90.
- 059 Daley, D. J., "The total waiting time in a busy period of a stable single-server queue I," *J. Appl. Prob.*, **6**, 2 (1969 a), 550-564.
- 060 Daley, D. J. and D. R. Jacobs, "The total waiting time in a busy period of a stable single-server queue II," *J. Appl. Prob.*, **6**, 2 (1969 b), 565-572.
- 061 Defermos, S. C. and M. F. Neuts, "A single server queue in discrete time," *Cahiers Du Centre d'études de Recherche Opérationnelle*, **13**, 1 (1971), 23-40.
- 062 Delbrouck, L. E. N., "A multiserver queue with enforced idle times," *Opns. Res.*, **17** (1969), 506-518.
- 063 Delbrouck, L. E. N., "A feedback queueing system with bach arrivals, bulk service, and queue-dependent service time," *J. ACM*, **17**, 2 (1970), 314-323.
- 064 Dick, R. S., "Some theorems on a single-server queue with balking," *Opns. Res.*, **18**, 6 (1970), 1193-1206.
- 065 Disney, R. L. and T. L. Vlach, "The departure process from the  $GI/G/1$  queue," *J. Appl. Prob.*, **6**, 3 (1969), 704-707.
- 066 Disney, R. L. and W. E. Mitchell, "A solution for queues with instantaneous jockeying and other customer selection rules," *Nav. Res. Logist. Q.*, **17**, 3 (1970), 315-325.
- 067 Disney, R. L. and W. K. Hall, "Finite queues in parallel under a generalized channel selection rule," *J. Appl. Prob.*, **8**, 2 (1971), 413-416.
- 068 Downton, F., "An integral equation approach to equipment failure," *J. Roy. Stat. Soc. B*, **31**, 2 (1969), 335-349.
- 069 Durr, L., "A single-server priority queueing system with general holding times, Poisson input, and reverse-order-of arrival queueing discipline," *Opns. Res.*, **17**, 2 (1969), 351-358.
- 070 Durrer, E. J., "Concerning simulation and sixty years of queueing theory (letter to the editor)," *Management Sci.*, **16**, 10 (1970), B-582-B-583.
- 071 Eilon, S., "A simpler proof of  $L=\lambda w$ ," *Opns. Res.*, **17**, 5 (1969), 915-917.
- 072 El-Bardai, M. T., "Queueing analysis of satellite networks," *Opns. Res.*, **18**, 4 (1970), 654-664.
- 073 Enns, E. G., "The trivariate distribution of the maximum queue length, the number of customers served and the duration of the busy period for the  $M/G/1$  queueing system," *J. Appl. Prob.*, **6**, 1 (1969 a), 154-161.
- 074 Enns, E. G., "Some waiting-time distributions for queues with multiple feedback and priorities," *Opns. Res.*, **17**, 3 (1969 b), 519-525.
- 075 Ferdinand, A. E., "An analysis of the machine interference model," *IBM Systems J.*, **10**, 2 (1971), 129-142.

- 076 Finch, P.D., "A note on queueing system  $GI/Ek/1$ ," *J. Appl. Prob.*, **6**, 2 (1969), 708-710.
- 077 Finch, P.D. and J. Henderson, "A note on the queueing system  $Ek/G/1$ ," *J. Appl. Prob.*, **7**, 2 (1970), 473-475.
- 078 Fishman, G.S., "Estimating sample size in computing simulation experiments," *Management Sci.*, **18**, 1 (1971), 21-38.
- 079 藤木正也, 雁部穎一, "優先権のある多段帰還方式の条件つき待ち時間", 通研実用化報告, **17**, 12 (1968), 2751-2775. 信学論, **52-C**, 1 (1969), 25-32.
- 080 藤木正也, 金田 治, "共通信号路の一待合せモデル", 通研実用化報告, **18**, 4 (1969), 865-885.
- 081 Fukuta, J., "Concentrated service queue with limited unit-source," *J. O. R. S. J.*, **12** (1969), 21-35.
- 082 雁部穎一, 藤木正也, "優先権のある多段帰還方式の条件つき待ち時間", 通研実用化報告, **17**, 12 (1968), 2751-2775. 信学論, **52-C**, 1 (1969), 25-32.
- 083 Gastwirth, J.L. and R. Coleman, "Some model for interaction of renewal processes related to neuron firing," *J. Appl. Prob.*, **6**, 1 (1969), 38-58.
- 084 Gaver, D.P., "Analysis of remote terminal backlogs under heavy demand conditions," *J. ACM*, **18**, 3 (1971), 405-415.
- 085 Georges, J. and P. J. Courtoris, "On a Single-server finite queueing model with state-dependent arrival and service processes," *Opns. Res.*, **19**, 2 (1971), 424-435.
- 086 Ghosal, A., "Cybernetic queues (letters to the editor)," *Management Sci.*, **16**, 2 (1969), B-14-B-15.
- 087 Gibson, A.E. and B.W. Conolly, "On certain unrestricted, linear, unit step, continuous time random walk," *J. Appl. Prob.*, **8**, 2 (1971), 374-380.
- 088 Gordon, R., "On Monte Carlo algebra," *J. Appl. Prob.*, **7**, 2 (1970), 373-387.
- 089 Greenberg, I., "Some duality results in the theory of queues," *J. Appl. Prob.*, **6**, 1 (1969), 99-121.
- 090 Gross, D., C. M. Harris and J. A. Lechner, "Stochastic inventory models with bulk demand and state-dependent leadtimes," *J. Appl. Prob.*, **8**, 3 (1971), 521-534.
- 091 Hadidi, N. and B. W. Conolly, "A correlated queue," *J. Appl. Prob.*, **6**, 1 (1969 a), 122-136.
- 092 Hadidi, N., "On the service time distribution and the waiting time process of a potentially infinite capacity queueing system," *J. Appl. Prob.*, **16**, 3 (1969 b), 594-603.
- 093 Haji, R. and G. F. Newell, "A relation between stationary queue and waiting time distributions," *J. Appl. Prob.*, **8**, 3 (1971 a), 617-620.
- 094 Haji, R. and G. F. Newell, "Optimall strategies for priority queues with non-linear cost of delay," *SIAM J. Appl. Math.*, **20**, 2 (1971 b), 224-240.
- 095 Hall, W. K. and R. L. Disney, "Finite queues in parallel under a generalized channel selection rule," *J. Appl. Prob.*, **8**, 2 (1971), 413-416.
- 096 Hardin, J. C. and A. L. Sweet, "Solutions for some diffusion processes with two barriers," *J. Appl. Prob.*, **7**, 2 (1970), 423-431.
- 097 Harris, C. M., "Some results for bulk-arrival queues with state-dependent service time," *Management Sci.*, **16**, 5 (1970), 313-326.
- 098 Harris, C. M., "On queues with state-dependent erlang service," *Nav. Res. Logist. Q.*, **18**, 1 (1971 a), 103-110.
- 099 Harris, C. M., D. Gross and J. A. Lechner, "Stochastic inventory models with bulk demand and state-dependent leadtimes," *J. Appl. Prob.*, **8**, 3 (1971 b), 521-534.
- 100 橋田 温, 中村義作, "複数待ち行列の解析," 経営科学, **13**, 1 (1969), 30-47.
- 101 橋田 温, "ゲート式多重待ち行列", 電子通信学会論文誌, **53-A**, 1 (1970), 43-50.
- 102 Hayashi, K. and T. Suzuki, "On queue disciplines," *J. O. R. S. J.*, **13**, 2 (1970), 43-58.
- 103 Heathcote, C. R. and P. Winer, "An approximation for the moments of waiting times," *Opns. Res.*, **17**, 1 (1970), 175-186.
- 104 Heffer, J. C., "Steady-state solution of the  $M/Ek/c$  ( $\infty$ , FIFO) queueing system," *Canadian O. R. S. J.*, **7**, 1 (1969), 16-30.
- 105 Henderson, J. and P. D. Finch, "A note on the queueing system  $Ek/G/1$ ," *J. Appl. Prob.*, **7**, 2 (1970), 473-475.
- 106 Henderson, W., " $GI/M/1$  priority queue,"

- Opns. Res.*, **17** (1969), 907-910.
- 107 Herzog, U., A. Lotze and R. Schehrer, "Die berechnung von leitungsbündeln hinter vereinfachten mischungstypen," *NTZ*, **22**, 12, (1969), 684-689.
- 108 Heyde, C.C., "On extremal factorization and recurrent events," *J. Roy. Statist. Soc.*, **B**, **31**, part 1 (1969), 72-79.
- 109 Heyde, C.C., "On some mixing sequence in queuing theory," *Opns. Res.*, **18**, 2 (1970), 312-315.
- 110 Heyman, D.P., "A priority queueing system with server interference," *SIAM J. Appl. Math.*, **17**, 1 (1969), 74-83.
- 111 Hieber, L., "About multi-stage link system with queueing," 6th ITC Munich, (1970), 233.
- 112 Hieber, L., "On computing the probability of loss of two-stage link system with preselection," *NTZ*, band 24, heft 10, (1971), 529-531.
- 113 Hinkley, D.V. and D.R. Cox, "Some properties of multi-server queues with appointments," *J. Roy. Statist. Soc.*, **A**, **133** (1970), 1-15.
- 114 平沢宏太郎, "隠れマルコフ連鎖による集団サービス待ち合せプロセスの数値解法", *電気学会誌*, **91**, 2 (1971), 299-308.
- 115 Holmes, P.T. and W.E. Strawderman, "On the law of the iterated logarithm for inter-record times," *J. Appl. Prob.*, **7**, 2 (1970), 432-439.
- 116 Hooke, J.A., "On some limit theorems for the  $GI/G/1$  queue," *J. Appl. Prob.*, **7**, 3 (1970), 634-640.
- 117 Hooke, J.A. and N.U. Prabhu, "Priority queues in heavy traffic," *Opsearch*, **8**, 1 (1971), 1-9.
- 118 細川孝行, " $E_c/G/1$  単純待ち行列と集団サービス待ち行列の対応", *電子通信学会論文誌*, **53-A**, 4 (1970), 197-201.
- 119 Hsu, J., "A continuation of delay-dependent queue disciplines," *Opns. Res.*, **18**, 4 (1970), 733-738.
- 120 Hunter, J.J., "Two queues in parallel," *J. Roy. Statist. Soc.*, **B**, **31**, 3 (1969), 432-445.
- 121 Iglehart, D.L. and W. Whitt, "Multiple channel queues in heavy traffic I," *Adv. Appl. Prob.*, **2**, 1 (1970 a), 150-177.
- 122 Iglehart, D.L. and W. Whitt, "Multiple channel queues in heavy traffic, II sequences, networks, and batches," *Adv. Appl. Prob.*, **2**, 2 (1970 b), 355-369.
- 123 Iglehart, D.L., "Functional limit theorems for the queue  $GI/G/1$  in light traffic," *Adv. Appl. Prob.*, **3**, 2 (1971), 269-281.
- 124 Irani, K.B. and V.L. Wallace, "On network linguistics and the conversational design of queueing networks," *J. ACM*, **18**, 4 (1971), 616-629.
- 125 伊藤正彦, "優先権を持つラウンド・ロビン方式の解析", *信学論*, **52-C**, 11 (1969), 720-726.
- 126 Jacobs, D.R. and D.J. Daley, "The total waiting time in a busy period of a stable single-server queue II," *J. Appl. Prob.*, **6**, 3 (1969), 565-572.
- 127 Jain, J.L. and S.G. Mohanty, "On two types of queueing process involving batches," *Canadian O.R.S.J.*, **8**, 1 (1970), 38-43.
- 128 Jaiswal, N.K. and S.S. Rao, "On a class of queueing problems and discrete transforms," *Opns. Res.*, **17**, 6 (1969), 1062-1076.
- 129 Jensen, A. and D. Kendall, "Denumerable Markov processes with bounded generators; a routine for calculating  $P_{ij}(\infty)$ ," *J. Appl. Prob.*, **8**, 2 (1971), 423-427.
- 130 Kabak, I. W., "Blocking and delays in  $M^{(x)}/M/c$  bulk arrival queueing systems," *Management Sci.*, **17**, 1 (1970), 112-115.
- 131 金田 治, 藤木正也, "共通信号路の一待合せモデル", *通研実用化報告*, **18**, 4 (1969), 865-885.
- 132 Kapadia, A. S., "The general  $N$  server finite queue," *J. Appl. Prob.*, **8**, 4 (1971), 828-834.
- 133 川島幸之助, "TSS に関する有限容量の RR. FB 方式の解析", *電子通信学会誌*, **54-C**, 10 (1971), 932-939.
- 134 Keilson, J., "A queue model for interrupted communication," *Opsearch*, **6**, 1 (1969 a), 59-67.
- 135 Keilson, J., "An intermittent channel with finite storage," *Opsearch*, **6**, 2 (1969 b), 109-117.
- 136 Kendall, D. and A. Jensen, "Denumerable Markov processes with bounded generators; a

- routine for calculating  $P_{ij}(\infty)$ ," *J. Appl. Prob.*, **8**, 2 (1971), 423-427.
- 137 Kim, C. W., "Two classification theorems of states of Markov chains," *J. Appl. Prob.*, **7**, 2 (1970), 490-496. (short comm.)
- 138 Kimbleton, S. R., "State dependent system residence times for time shared queues," *Management Sci.*, **18**, 1 (1971), 1-6.
- 139 Kingman, J. F. C., "Inequalities in the theory of queues," *J. Roy. Statist. Soc.*, B, **32**, 1 (1970), 102-110.
- 140 Kleinrock, L., "Swap-time considerations in time-shared system," *IEEE Trans. Computers*, **C-19**, 6 (1970), 534-540.
- 141 Kolesar, P., "A Markovian model for hospital admission scheduling," *Management Sci.*, **16**, 6 (1970), B-384-B-396.
- 142 Konheim, A. G. and W. H. Burge, "An accessing model," *J. ACM*, **18**, 3 (1971), 400-404.
- 143 Kotiah, T. C. T., J. W. Thompson and W. A. O'N. Waugh, "Use of Erlangian distributions for single-server queueing systems," *J. Appl. Prob.*, **6**, 3 (1969), 584-593.
- 144 Kühn, P., "Parallel waiting queues in real-time computer systems," *NTZ*, **24**, 11 (1970 a), 576-582.
- 145 Kühn, P., "Combined delay and loss systems with several input queues, full and limited accessibility," 6th I. T. C. Munich., (1970 b), 323.
- 146 Kümmerle, K., "Ein vorschung zur berechnung der vertrauensintervalle bei verkehrstests," *AEÜ*, **23**, 10 (1969), 507-511.
- 147 Kyprianou, E., "The virtual waiting time of the GI/G/1 queue in heavy traffic," *Adv. Appl. Prob.*, **3**, 2 (1971 a), 249-268.
- 148 Kyprianou, E. (K.), "On the quasi-stationary distribution of the virtual waiting time in queues with Poisson arrivals," *J. Appl. Prob.*, **8**, 3 (1971 b), 494-507.
- 149 Langenbach-Belz, M., "On a multi-server queueing system with constant holding time and priorities," 6th ITC Munich, (1970), 317.
- 150 Lawrance, A. J., "Selective interference of a Poisson and renewal point process; first-order stationary point results," *J. Appl. Prob.*, **7**, 2 (1970 a), 359-372.
- 151 Lawrance, A. J., "Selective interaction of a s. p. p. and renewal process," *J. Appl. Prob.*, **7**, 2 (1970 b), 483-489.
- 152 Leadbetter, M. R., H. Cramér and R. J. Seifling, "On distribution ft. —Moment relationship in a stationary point proc.," *Z. Wahr.*, **18** (1971), 1-8.
- 153 Lechner, J. A., D. Gross and C. M. Harris, "Stochastic inventory models with bulk demand and stated-dependent leadtimes," *J. Appl. Prob.*, **8**, 3 (1971), 521-534.
- 154 Lehoczy, J. P., "A note on the first emptiness time of an infinite reservoir with inputs forming a M. C.," *J. Appl. Prob.*, **8**, 2 (1971), 276-284.
- 155 Lind, G., "Accuracy of traffic measurements in a Poisson traffic process. Arbitrary distribution of intervals between observations and fixed number of observations," *Ericsson Tech.*, **25**, 4 (1969), 211-246.
- 156 Linder, R. W., "The development of manpower and facilities planning methods for airline telephone reservation offices," *Opl. Res. Q.*, **20**, 1 (1969), 3-22.
- 157 Loris-Teghem, Jacqueline, "Un traitement algébrique du modèle d'attente GI/M/2," *Cahiers du Centre d'Etudes de Recherche Operationnelle*, **13**, 2 (1971 a), 57-62.
- 158 Loris-Teghem, Jacqueline, "On waiting time distribution in a generalized GI/G/1 queueing system," *J. Appl. Prob.*, **8** (1971 b).
- 159 Love, R. F., "Steady-state solution of the queueing system Em/M/s with batch service," *Opns. Res.*, **18**, 1 (1970), 106-171.
- 160 Magazine, M. J., "Optimal controle of multi-channel service systems," *Nav. Res. Logist. Q.*, **18**, 2 (1971), 177-184.
- 161 Maggu, P. L., "Phase type queues with two servers in bi-series," *J. O. R. S. J.*, **13**, 1 (1970), 6-16.
- 162 Makino, T., "Investigation of the mean waiting time for queueing system with many servers," *Ann. Inst. Statist. Math.*, **21** (1969), 357-366.
- 163 牧野都治, "待ち-在庫模型についての考察 (I)", 統計数理研究所彙報, **18**, 1 (1970), 7-33.
- 164 牧野都治, 逆瀬川浩孝, "デパートの客", 数研研究レポート 29, I. 牧野: 系人数と保留時

- 間の分析, (1971), 1-28. II. 逆瀬川: 客の動向調査とそのシミュレーション, (1971), 29-93.
- 165 Marshall, K. T. and R. W. Wolff "Customer average and time average queue lengths and waiting times," *J. Appl. Prob.*, **8**, 3 (1971), 535-542.
- 166 Martynov, A. V. and L. G. Afanas'eva, "Ergodic properties of queueing systems with bounded sojourn time," *Theory Prob. Appl.*, **14**, 1 (1969), 105-114.
- 167 Maxwell, W. L., "On the generality of the equation  $L=\lambda W$ ," *Opns. Res.*, **18**, 1 (1970), 172-173.
- 168 Mayhugh, J. O., "A note on the queue  $M/E_k/r$ ," *Management Sci.*, **16**, 7 (1970), 512-513.
- 169 Mazumdar, S., "On priority queues in heavy traffic," *J. Roy. Statist. Soc. B*, **32**, 1 (1970), 111-114.
- 170 McNeil, D. R., "A theoretical analysis of congestion in a two-lane freeway," *J. Appl. Prob.*, **7**, 2 (1970), 304-315.
- 171 三上 操, "機械損失係数の計算公式", 九大工学集報, **43** (1970), 749-753.
- 172 三上 操, "アーラン修理時間分布をもつ有限個数の機械の修理について", 九大工学集報, **44** (1971 a), 1-8.
- 173 三上 操, "修理時間が一般アーラン分布に従う有限個数の機械の修理について一窓口数2の場合", 九大工学集報, **44** (1971 b), 131-138.
- 174 三上 操, "一般アーラン修理時間分布をもつ有限個数の機械修理について(第2報)一窓口数が一般の場合", 九大工学集報, **44** (1971 c), 277-283.
- 175 Miller, B. L., "A queueing reward system with several customer classes," *Management Sci.*, **16**, 3 (1969), 234-245.
- 176 Milne, R. K., "Identifiability for random translations of Poisson processes," *Z. Wahr.*, **15** (1970), 195-201.
- 177 Mine, H. and K. Ohno, "An optimal rejection time for an  $M/G/1$  queueing system," *Opns. Res.*, **19**, 1 (1971 a), 194-207.
- 178 Mine, H. and K. Ohno, "Traffic light queues as a generalization to queueing theory," *J. Appl. Prob.*, **8**, 3 (1971 b), 480-493.
- 179 Mitchell, W. E. and R. L. Disney, "A solution for queues with instantaneous jockeying and other customer selection rules," *Nav. Res. Logist. Q.*, **17**, 3 (1970), 315-325.
- 180 Mohanty, S. G. and J. L. Jain, "On two types of queueing process involving batches," *Canadian O. R. S. J.*, **8**, 1 (1970), 38-43.
- 181 Montagnon, C. E., "Mean response times in accessing a time-sharing computer," *Opl. Res. Q.*, **20**, 4 (1969), 477-488.
- 182 Moran, P. A. P., "A theory of dams with continuous input and a general release rule," *J. Appl. Prob.*, **6**, 1 (1969), 88-98.
- 183 Mori, M., "待ち行列論の最近の動向", 経営科学, **15**, 4 (1971), 209-224.
- 184 Munter, M., "Discrete renewal processes," *IEEE Trans.*, **R-20**, 2 (1971), 46-51.
- 185 Muntz, R. R., E. G. Coffman and H. Trotter, "Waiting time distributions for processor-sharing systems," *J. ACM*, **17**, 1 (1970), 123-130.
- 186 村尾 洋, 中村義作, 塚本克治, "ラウドロビン方式の待ち時間分布に対する解析", 電子通信学会誌, **52-C**, 1 (1969), 48-55.
- 187 村尾 洋, "Batch size が待ち呼数に応じて確率的に変化する Bulk service queue の解析", 経営科学, **14**, 1 (1970), 34-51.
- 188 Murari, K., "A queueing problem with correlated arrivals and general service time distribution," *Z. Ang. Math. Mech.*, **49**, 3 (1969 a), 151-156.
- 189 Murari, K., "A queueing problem with arrivals in batches of variable size and service rate depending on queue length," *Z. Ang. Math. Mech.*, **49**, 3 (1969 b), 157-162.
- 190 Murray, G. and R. B. Cooper, "Queues served in cyclic order," *BSTJ*, **48**, 3 (1969), 675-689.
- 191 Nair, S. S. and M. F. Neuts, "A priority rule based on the ranking of the service times for the  $M/G/1$  queue," *Opns. Res.*, **17**, 3 (1969), 466-477.
- 192 Nair, S. S., "A single server tandem queue," *J. Appl. Prob.*, **8**, 1 (1971), 95-109.
- 193 中村義作, 橋田 温, "複数待ち行列の解析", 経営科学, **13** (1969 a), 30-47.
- 194 中村義作, 村尾 洋, 塚本克治, "ラウドロビン方式の待ち時間分布に対する解析", 電子通信学会誌, **52-C**, 1 (1969 b), 48-55.
- 195 中村義作, "周期処理待ち行列の一解法", 通

- 研実用化報告, **18**, 2 (1969 c), 3299-3308.
- 196 中村義作, 塚本克治, “TSSのラウンドロビン方式に対する系内呼数の解析”, 通研実用化報告, **19**, 6 (1970), 1231-1244.
- 197 Nance, P. E. and U. N. Bhat, “Busy period analysis of a time-sharing system modeled as a semi-Markov process,” *J. ACM*, **18**, 2 (1971), 221-238.
- 198 Naor, P. and P. Robillard, “On queueing with regular service interruptions,” *R. I. R. O.*, **2**<sup>o</sup>, 10 (1968), 11-30.
- 199 Naor, P., “The regulation of queue size by levying tolls,” *Econometrica*, **37**, 1 (1969), 15-24.
- 200 Nelsen, R. B. and T. Williams, “Random displacements of regularly spaced events,” *J. Appl. Prob.*, **7**, 1 (1970), 183-195.
- 201 Nesterova, T. N., “Estimate of the memory required for batched processing of data obtained from dependent Poisson sources,” *Automation and Remote Control*, **9** (1969).
- 202 Neuts, M. F. and S. S. Nair, “A priority rule based on the ranking of the service times for the  $M/G/1$  queue,” *Opns. Res.*, **17**, 3 (1969), 466-477.
- 203 Neuts, M. F. and S. C. Defermos, “A single server queue in discrete time,” *Cahiers du Centre d'Etudes de Recherche Opérationnelle*, **13**, 1 (1971), 23-40.
- 204 Newell, G. F. and R. Haji, “A relation between stationary queue and waiting time distributions,” *J. Appl. Prob.*, **8**, 3 (1971 a), 617-620.
- 205 Newell, G. F. and R. Haji, “Optimal strategies for priority queues with non-linear cost of delay,” *SIAM J. Appl. Math.*, **20**, 2 (1971 b), 224-240.
- 206 Newman, D. S., “A new family of point processes which are characterized by their second moment properties,” *J. Appl. Prob.*, **7**, 2 (1970), 338-358.
- 207 Nishida, T. and H. Watada, “Tandem queue with Erlangian inputs and finite waiting room,” *Technology Rept. of the Osaka University*, **19**, 877 (1969), 285-299.
- 208 野口正一, 青野 繁, 大泉充郎, “二段直列型処理系のシステム効率に関する一考察”, 電子通信学会論文誌, **52-C**, 10 (1969), 618-625.
- 209 野口正一, 青野 繁, 大泉充郎, “二段直列型処理系の処理率に関する一考察”, 電子通信学会論文誌, **53-C**, 11 (1970), 831-838.
- 210 大野充郎, 青野 繁, 野口正一, “二段直列型処理系のシステム効率に関する一考察”, 電子通信学会論文誌, **52-C**, 10 (1969), 618-625.
- 211 大野充郎, 青野 繁, 野口正一, “二段直列型処理系の処理率に関する一考察”, 電子通信学会論文誌, **53-C**, 11 (1970), 831-838.
- 212 Ohno, K. and H. Mine, “An optimal rejection time for an  $M/G/1$  queueing system,” *Opns. Res.*, **19**, 1 (1971 a), 194-207.
- 213 Ohno, K. and H. Mine, “Traffic light queues as a generalization to queueing theory,” *J. Appl. Prob.*, **8**, 3 (1971 b), 480-493.
- 214 Padgett, W. J. and C. P. Tsokos, “On a stochastic integral equation of the Volterra type in telephone traffic theory,” *J. Appl. Prob.*, **8** (1971), 269-275.
- 215 Pakes, A. G., “Some conditions for ergodicity and recurrence of Markov chains,” *Opns. Res.*, **17**, 6 (1969), 1058-1061.
- 216 Pakes, A. G., “A note on the queueing systems  $GI/D/1$  and  $D/G/1$ ,” *J. Appl. Prob.*, **7**, 2 (1970), 465-468.
- 217 Pakes, A. G., “The serial correlation coefficients of waiting times in the stationary  $GI/M/1$  queue,” *Ann. Math. Statist.*, **42**, 5 (1971), 1727-1734.
- 218 Perks, N. W., “Servicing losses in large data collection systems,” *IEEE Trans. Comm. Technology*, **Com-17**, 2 (1969), 239-244.
- 219 Phatarfod, R. M., T. P. Speed and A. M. Walker, “A note on random walk,” *J. Appl. Prob.*, **8**, 1 (1971), 198-201.
- 220 Prabhu, N. U., “The simple queue in non-equilibrium,” *Opsearch*, **6**, 2 (1969), 118-128.
- 221 Prabhu, N. U., “Limit theorems for the single server queue with traffic intensity one,” *J. Appl. Prob.*, **7**, 1 (1970), 227-233.
- 222 Prabhu, N. U. and J. A. Hooke, “Priority queues in heavy traffic,” *Opsearch*, **8**, 1 (1971), 1-9.
- 223 Puri, P. S., “A method for studying the integral functionals of stochastic processes with applications; I. Markov chain case,” *J. Appl. Prob.*, **8**, 2 (1971), 331-343.
- 224 Rajamannar, G. and S. K. Srinivasan, “Selective interaction between two independent sta-



- tionary recurrent point processes," *J. Appl. Prob.*, **7**, 2 (1970), 476-482.
- 225 Rao, S. S. and N. K. Jaiswal, "On a class of queueing problems and discrete transforms," *Opns. Res.*, **17**, 6 (1969), 1062-1076.
- 226 Read, R. R., "On the output of parallel exponential service channels," *Nav. Res. Logist. Q.*, **16**, 4 (1969), 555-572.
- 227 Robillard, P. and P. Naor, "On queueing with regular service interruptions," *R. I. R. O.*, **2**<sup>e</sup>, 10 (1968), 11-30.
- 228 Roes, P. B. M., "The finite dam," *J. Appl. Prob.*, **7**, 2 (1970 a), 316-326.
- 229 Roes, P. B. M., "On the expect number of crossing of a level in a certain stochastic processes," *J. Appl. Prob.*, **7**, 3 (1970 b), 766-770.
- 230 Rolfe, A. J., "A note on marginal allocation in multipleserver service systems," *Management Sci.*, **17**, 9 (1971), 656-658.
- 231 Rosenshine, M., "Queues with state-dependent service times," *Trans. Res.*, **1** (1967), 97-104.
- 232 Ross, S. M. and M. Brown, "Some results for infinite server Poisson queue," *J. Appl. Prob.*, **6**, 3 (1969), 604-611.
- 233 Ross, S. M., "Identifiability in  $GI/G/k$  queues," *J. Appl. Prob.*, **7**, 3 (1970), 776-780.
- 234 Sahin, İ., "On the least positive root of the equation  $z=K(z)$  in queueing theory," *Canadian O.R.S.J.*, **8**, 2 (1970), 109-115.
- 235 Sahin, İ., "Equilibrium behaviour of stochastic systems with secondary input," *J. Appl. Prob.*, **8**, 2 (1971 a), 252-260.
- 236 Sahin, İ., "On the single server queue with preemptive service interruptions," *J. Appl. Prob.*, **8**, 4 (1971 b), 835-837.
- 237 逆瀬川浩孝, 牧野都治, "デパートの客", 数研研究レポート 29 (1971), I 牧野; 系人数と保留時間の分布, 1-28, II 逆瀬川; 客の動向調査とそのシミュレーション, 29-93.
- 238 Savas, E. S., "Simulation and cost-effectiveness analysis of New York's emergency ambulance service," *Management Sci.*, **15**, 12 (1969), B-608-B-627.
- 239 Schehrer, R., U. Herzog and A. Lotze, "Die berechnung von leitungsbündeln hinter vereinfachten mischungstypen," *NTZ*, **22**, 12 (1969), 684-689.
- 240 Schehrer, R., "On the exact calculation of overflow system," 6 th ITC Munich., (1970), 147.
- 241 Schehrer, R., "Exact calculation of overflow systems with one non-ideal grading and one ideal grading or full available group", *NTZ*, **24**, 10 (1971), 532-534.
- 242 Schrage, L., "Analysis and Optimization of a queueing model of a real-time computer control system," *IEEE Trans. Computers*, **C-18**, 11 (1969 a), 997-1003.
- 243 Schrage, L., "A mixed-priority queue with application to the analysis of real-time systems," *Opns. Res.*, **17**, 4 (1969 b), 728-742.
- 244 Schrage, L., "An alternative proof of a conservation law for the queue  $G/G/1$ ", *Opns. Res.*, **18**, 1 (1970), 185-187.
- 245 Schweder, T., "Composable Markov processes", *J. Appl. Prob.*, **7**, 2 (1970), 400-410.
- 246 Scott, M., "A queueing process with some discrimination," *Management Sci.*, **13**, 3 (1969), 227-233.
- 247 Scott, M., "Queueing with control on the arrival of certain type of customers," *Canadian O.R.S.J.*, **8**, 2 (1970), 75-86.
- 248 Scott, M., "A queueing process with varying degree of service," *Nav. Res. Logist. Q.*, **18**, (1971), 515-523.
- 249 Segal, M., "A multiserver system with preemptive priorities," *Opns. Res.*, **18**, 2 (1970), 316-323.
- 250 Serfling, R. J., H. Cramér and M. R. Leadbetter, "On distribution ft.—Moment relationship in a stationary point proc.," *Z. Wahr.*, **18**, (1971), 1-8.
- 251 Shanbhag, D. N., "A queueing system with several types of customers," *Ann. Inst. Statist. Math.*, **21**, (1969), 367-371.
- 252 Sharda, "A many server queueing problem with variable departures", *Z. Ange. Math. Mech.*, **49**, 3 (1969), 163-166.
- 253 Shaw, L., "Busy periods in vehicle queue," *J. Appl. Prob.*, **8**, 2 (1971), 261-268.
- 254 Singh, V. P., "Output of  $M/M/1/N$  queue," *J. O.R.S.J.*, **11**, 4 (1969), 146-148.
- 255 Singh, V. P., "Two-server Markovian queues with balking: heterogeneous vs. homogeneous servers," *Opns. Res.*, **18**, 1 (1970), 145

- 159.
- 256 Siskind, V., "The fixed cycle traffic light problem : a note on a paper by McNell," *J. Appl. Prob.*, **7**, 1 (1970), 245-248.
- 257 Skinner, C. E. and J. R. Asher, "Effects of storage contention on system performance," *IBM System J.*, **8**, 2 (1969), 319-333.
- 258 Sobel, M. J., "Optimal average-cost policy for a queue with start-up and shut-down costs," *Opns. Res.*, **17**, 1 (1969), 145-162.
- 259 Speed, T. P., R. M. Phatarfod and A. M. Walker, "A note on random walk", *J. Appl. Prob.*, **8**, 1 (1971), 198-201.
- 260 Srinivasan, S. K. and G. Rajamannar, "Selective interaction between two independent stationary recurrent point processes," *J. Appl. Prob.*, **7**, 2 (1970), 476-482.
- 261 Srivastava, A. B. L. and R. C. Srivastava, "On a characterization of Poisson distribution," *J. Appl. Prob.*, **7**, 2(1970), 497-501.
- 262 Stidham, Jr.S., "On the optimality of single-server queueing system," *Opns. Res.*, **18**, 4 (1970), 708-732.
- 263 Stoyan, D. and H. Stoyan, "Monotonieigenschaften der kundenwartezeiten in modell  $GI/G/1$ ," *Z. Ange. Math. Mech.*, **49**, 12 (1969), 729-734.
- 264 Strauch, R. E., "When a queue looks the same to an arriving customer as to an observer", *Management Sci.*, **17**, 3 (1971), 140-141.
- 265 Strawderman, W. E. and P. T. Holmes, "On the law of the iterated logarithm for inter-record times", *J. Appl. Prob.*, **7**, 2 (1970), 432-439.
- 266 須永照雄, "待ち行列の数値解法", オペレーションズ・リサーチ **3** (1970), 27-33.
- 267 Suzuki, T. and K. Hayashi, "On queue disciplines", *J. O. R. S. J.*, **13**, 2 (1970 a), 43-58.
- 268 Suzuki, T. and Y. Yoshida, "Inequalities for many server queue and other queues", *J. O. R. S. J.*, **13**, 2 (1970 b), 59-77.
- 269 鈴木武次, "マルコフ過程と待ち行列", 統計数理研究所シンポジウム記事, 1971年3月号 (1971), 135-146.
- 270 Sweet, A. L. and J. C. Hardin, "Solutions for some diffusion processes with two barriers", *J. Appl. Prob.*, **7**, 2 (1970), 423-431.
- 271 Sykes, J. S., "Analytical model of half-duplex intercomuncations of computers", *IEEE Trans. Comm. Technology*, **Com-17**, 2 (1969), 235-238.
- 272 Sykes, J. S., "Simplified analysis of an alternating priority queueing model with setup times", *Opns. Res.*, **18**, 6 (1970), 1182-1192.
- 273 Takács, L., "On the distribution of the maximum of sums of mutually *i. i. d.* random variables", *Adv. Appl. Prob.*, **2**, 2 (1970), 344-354.
- 274 Takács, L., "Discrete queues with one server," *J. Appl. Prob.*, **8**, 4 (1971 a), 691-707.
- 275 Takács, L., "The distribution of the occupation time for single-server queues", *Opns. Res.*, **19**, 6 (1971 b), 1494-1501.
- 276 Takahashi, Y., "Queueing systems with gates", *J. O. R. S. J.*, **14**, 3 (1971), 103-126.
- 277 Tambouratzis, D. G., "A note on Belyaev's limiting distribution of the intervals between losses in an  $n$ -server system," *J. Appl. Prob.*, **7**, 2 (1970), 457-464.
- 278 Tambouratzis, D. G., "Study of a special  $M/M/1$  queue", *J. Appl. Prob.*, **8**, 3 (1971), 630-631.
- 279 田中穂積, "循環待ち行列モデルを用いた多重プログラミングシステムの解析", 電子通信学会論文誌, **53-C**, 2 (1970 a), 57-64.
- 280 田中穂積, "並列循環待ち行列を用いたオンラインシステムの解析", 電子通信学会論文誌, **53-C**, 10 (1970 b), 756-764.
- 281 Thierer, M., "Wartesysteme und gemischte verlust-und wartesysteme mit unvollkommener erreichbarkeit," *AEU*, **23**, 5 (1969), 261-267.
- 282 Thompson, J. W., T. C. T. Kotiah and W. A. O'N. Waugh, "Use of Erlangian distributions for single-server queueing systems," *J. Appl. Prob.*, **6**, 3 (1969), 584-593.
- 283 Trotter, H., E. G. Coffman and R. R. Muntz, "Waiting time distridutions for processor-sharing systems," *J. ACM*, **7**, 1 (1970), 123-130.
- 284 Tsokos, C. P. and W. J. Padgett, "On a stochastic integral equation of the Volterra type in telephone traffic theory," *J. Appl. Prob.*, **8**, 2 (1971), 269-275.

- 285 塚本克治, 中村義作, 村尾 洋, “ラウドロビン方式の待ち時間分布に対する解析”, 電子通信学会論文誌, **52-C**, 1 (1969), 48-55.
- 286 塚本克治, 中村義作, “TSS のラウドロビン方式に対する系内呼数の解析”, 通研研究実用化報告, **19**, 6 (1970), 1231-1244.
- 287 Uematu, T., “On some model of queueing system with state-dependent service time distributions”, *Ann. Inst. Statist. Math.*, **21**, 1 (1969), 89-106.
- 288 Vlach, T. L. and R. L. Disney, “The departure process from the  $GI/G/1$  queue”, *J. Appl. Prob.*, **6**, 3 (1969), 704-707.
- 289 Vlach, T. L., “Further results concerning the simple queueing loss system”, *Unternehmensforschung*, **15**, 1 (1971), 55-57.
- 290 Walker, A. M., R. M. Phatarfod and T. P. Speed, “A note on random walk”, *J. Appl. Prob.*, **8**, 1 (1971), 198-201.
- 291 Wallace, V. L. and K. B. Irani, “On network linguistics and the conversational design of queueing networks”, *J. ACM*, **18**, 4 (1971), 616-629.
- 292 Watada, H. and T. Nishida, “Tandem queue with Erlangian inputs and finite waiting room”, *Technology Rept. of the Osaka University*, **19**, 877 (1969), 285-299.
- 293 Waugh, W. A. O’N., T. C. T. Kotiah and J. W. Thompson, “Use of Erlangian distributions for single-server queueing systems”, *J. Appl. Prob.*, **6**, 3 (1969), 584-593.
- 294 Whitt, W. and D. L. Iglehart, “Multiple channel queues in heavy traffic I”, *Adv. Appl. Prob.*, **2**, 1 (1970 a), 150-177.
- 295 Whitt, W. and D. L. Iglehart, “Multiple channel queues in heavy traffic II”, *Adv. Appl. Prob.*, **2**, 2 (1970 b), 355-369.
- 296 Whitt, W., “Multiple channel queues in heavy traffic III; Random server selection”, *Adv. Appl. Prob.*, **2**, 2 (1970 c), 370-375.
- 297 Whitt, W., “Weak convergence theorems for priority queues: preemptive-resume discipline”, *J. Appl. Prob.*, **8**, 1 (1971), 74-94.
- 298 Williams, T. and R. B. Nelsen, “Random displacements of regularly spaced events”, *J. Appl. Prob.*, **7**, 1 (1970), 183-195.
- 299 Winer, P. and C. R. Heathcote, “An approximation for the moments of waiting times”, *Opns. Res.*, **17**, 1 (1970), 175-186.
- 300 Wolff, R. W., “Work conserving priorities”, *J. Appl. Prob.*, **7**, 2 (1970 a), 327-337.
- 301 Wolff, R. W., “Time sharing with priorities”, *SIAM J. Appl. Math.*, **19**, 3 (1970 b), 566-574.
- 302 Wolff, R. W. and K. T. Marshall, “Customer average and time average queue lengths and waiting times”, *J. Appl. Prob.*, **8**, 3 (1971), 535-542.
- 303 Woodrum, L. J., “A model of floating buffering” *IBM System J.*, **9**, 2 (1970), 118-144.
- 304 Yadin, M., “Queueing with alternating priorities, treated as random walk on the lattice in the plane”, *J. Appl. Prob.*, **7**, 1 (1970 a), 196-218.
- 305 Yadin, M. and S. Zacks, “Analytic characterization of the optimal control of a queueing system”, *J. Appl. Prob.*, **7**, 3 (1970 b), 617-633.
- 306 山口武彦, 秋山 稔, “多元トラヒック処理に関する検討—割込・待合せ方式”, 信学論, **53-A**, 5 (1970 a), 249-256.
- 307 山口武彦, 秋山 稔, “多元トラヒック処理の一方式—回線予約留保方式—”, 信学論, **53-A**, 9 (1970 b), 496-497.
- 308 山口武彦, 秋山 稔, “多元トラヒック処理に関する検討—伝送速度変化方式—”, 信学論, **53-A**, 10 (1970 c), 549-557.
- 309 Yechiali, U., “On optimal balking rules and toll charges in the  $GI/M/1$  queueing process”, *Opns. Res.*, **19**, 2 (1971 a), 349-370.
- 310 Yechiali, U. and P. Naor, “Queueing problems with heterogeneous arrivals and service”, *Opns. Res.*, **19**, 3 (1971 b), 722-734.
- 311 吉田 裕, “多段帰還方式の系内呼数の解析”, 電子通信学会論文誌, **53-A**, 6 (1970), 290-297.
- 312 吉田 裕, “複数処理装置における動作時間と待ち時間”, 電子通信学会論文誌, **54-A**, 8 (1970), 435-442.
- 313 Yoshida, Y. and T. Suzuki, “Inequalities for many server queue and other queues”, *J. O. R. S. J.*, **13**, 2 (1970), 59-77.
- 314 Zacks, S. and M. Yadin, “Analytic characterization of the Optimal control of a queueing system”, *J. Appl. Prob.*, **7**, 3 (1970), 617-633.

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