Publications of Charles Knessl


65. “Heavy traffic asymptotics of the queue length in the GI/M/1 – K queue” (with Y. Yang), European J. Applied Math. 7 (1996), 519–543.


70. “Integral representations and asymptotics for infinite and finite capacity queues described by the unfinished work II” (with X. Tan), SIAM J. Appl. Math. 57 (1997), 824–870.


78. “A ray approximation to a PDE that arises in the study of tandem queues” (with C. Tier), Studies in Applied Math. 102 (1999), 87–120.


*Manuscripts Accepted*


Manuscripts Submitted

98. “A dynamic priority queue model for the simultaneous service of voice and data traffic” (with D. I. Choi and C. Tier), 29 pp. in ms.


101. “Asymptotic expansions for the congestion period for the M/M/infinity queue” (with Y. Yang), 42 pp. in ms.


103. “A simple fluid model for servicing priority traffic” (with C. Tier), 21 pp. in ms.

104. “Limit laws for heights in generalized tries and PATRICIA tries” (with W. Szpankowski), 44 pp. in ms.

105. “A note on the asymptotic behavior of the heights in b-tries for b large” (with W. Szpankowski), 18 pp. in ms.

106. “Analysis of a Brownian particle moving in a time-dependent drift field” (with Y. Yang), 37 pp. in ms.