Wireless Netw (2010) 16:573–575
DOI 10.1007/s11276-008-0141-2

ERRATUM

Multipath multihop routing analysis in mobile ad hoc networks

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Published online: 31 October 2008

Erratum to: Wireless Netw DOI 10.1007/s11276-008-0116-3

The publisher regrets that the following corrections need to be made to the article "Multipath multihop routing analysis in mobile ad hoc networks" by Midhun Kalyan Anantapalli and Wei Li which published in *Wireless Networks*.

Page 1. Email address for Midhun Kalyan Anantapalli is midhunkalyan@gmail.com

Page 3. The first paragraph in the second column should read:

Consider the total arrival process to be a Poisson process with arrival rate as λ and service time to follow exponentially distribution with μ_1 as service rate for server one and μ_2 as service rate for server two. The transition rate diagram for the above system is illustrated in Fig. 2.

The last sentence on this page should read:

$A_i = \mu_1 \begin{bmatrix} 0 & I \\ 0 & 0 \end{bmatrix}, 1 \leq i \leq B_1$,and I is an identity matrix.

The online version of the original article can be found under doi: 10.1007/s11276-008-0116-3.

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The last matrix on this page should appear as:

$$E_0 = \begin{bmatrix} -\lambda & 0 & 0 & \cdots & 0 & 0 \\ \mu_2 & -(\lambda+\mu_2) & 0 & \cdots & 0 & 0 \\ 0 & \mu_2 & -(\lambda+\mu_2) & \cdots & 0 & 0 \\ \cdots & \cdots & \cdots & \cdots & \cdots & \cdots \\ 0 & 0 & 0 & \cdots & -(\lambda+\mu_2) & 0 \\ 0 & 0 & 0 & \cdots & \mu_2 & -(\lambda+\mu_2) \end{bmatrix}, \text{ and}$$

$$E_i = \begin{bmatrix} -(\lambda_i+\mu_1) & 0 & 0 & \cdots & 0 & 0 \\ \mu_2 & -(\lambda_i+\mu_1+\mu_2) & 0 & \cdots & 0 & 0 \\ 0 & \mu_2 & -(\lambda_i+\mu_1+\mu_2) & \cdots & 0 & 0 \\ \cdots & \cdots & \cdots & \cdots & \cdots & \cdots \\ 0 & 0 & 0 & \cdots & -(\lambda_i+\mu_1+\mu_2) & 0 \\ 0 & 0 & 0 & \cdots & \mu_2 & -(\lambda_i+\mu_2) \end{bmatrix}$$

here $1 \le i \le B_1$, and $\lambda_i = \begin{cases} \lambda \text{ for } 1 \le i \le B_1 - 1; \\ 0 \text{ for } i = B_{1.} \end{cases}$

Page 4. Figure 2 should appear as below.

The first line under Eq. 4 should read:

Here e is a corresponding unit column vector and e_{B_2} is a corresponding column vector with one in the last element and zeroes otherwise.

The N_1 in Eq. 5 should be B_1.

Page 5. The last sentence of the first paragraph in the first column should read:

Hence, the following approximation result can be obtained:

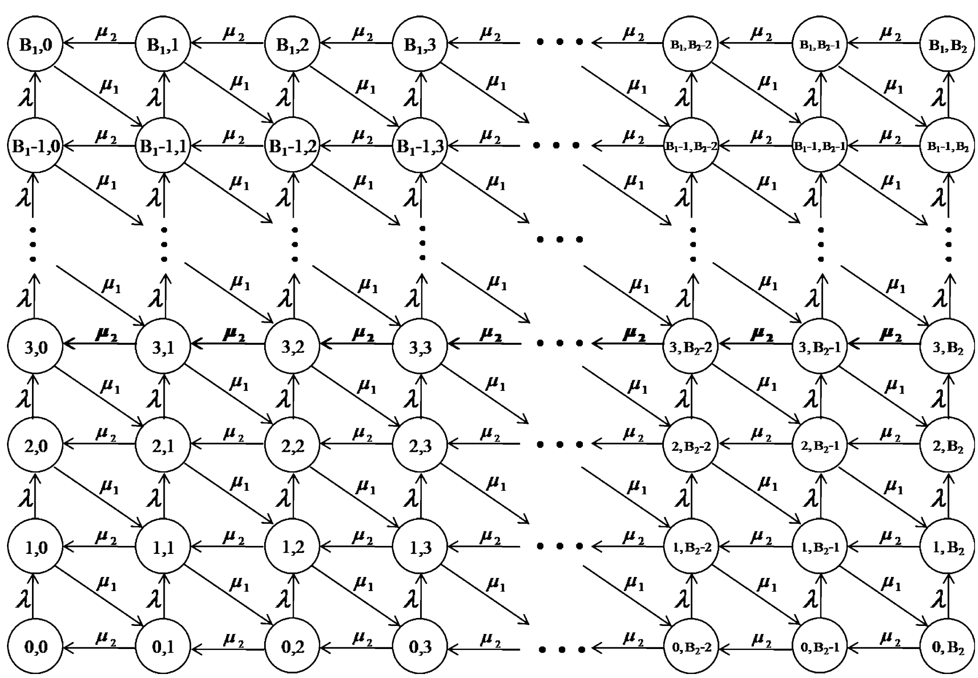

Fig. 2 Transition rate diagram for the two-server system

Author Biography

Midhun Kalyan Anantapalli received his B.S. degree from the Department of Computer Science and Engineering, The Andhra University, Vizag, India, in 2002, and his M.S. degree from the Department of Electrical Engineering and Computer Science, The University of Toledo, Ohio, USA, in 2005. Mr. Anantapalli is currently working at Enterprise Integration, Perficient Inc., Raleigh, NC, USA. He has over 4 years of industrial experience in electronics and telecommunications areas, software engineering. His current research interests focus on the modeling and evaluation of wireless network related areas.