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# Bit Error Rate (BER) QoS Attribute in Solving Wireless Pricing Scheme on Single Link Multi Service Network

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## Abstract

Pricing schemes were set up on multi service network of wireless internet pricing scheme to proposed models applying Bit Error Rate QoS attribute due to requirements for ISP to maximize revenue and provide high quality of service to end users. The model was deigned by improving the original model together with added parameters and variables to the model of multi- service network by setting the base price ( $\alpha$ ) and premium quality ( $\beta$ ) as variables and parameters. LINGO 11.0 were applied to help finding the solution. The results show that the improved models yield maximum revenue for ISP by applying the improved model by setting up a variable  $\alpha$  and  $\beta$  as constant as well as by increasing the cost of all the changes in QoS. The QoS attriute BER is proven to achieve the ISP's goal to maximize the revenue. Copyright © 2018 Institute of Advanced Engineering and Science. All rights reserved.

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- 
- 1 Wallenius, E.R.  
Control and Management of Multi-Access Wireless Network  
(2005) *Mathematical Information Technology*. Cited 3 times.  
University of Jyväskylä: Jyväskylä
- 
- 2 Rezazadeh, J.  
Fundamental Metrics for Wireless Sensor Networks localization  
(2012) *International Journal of Electrical and Computer Engineering (IJECE)*, 2 (4), pp. 452-455. Cited 16 times.
- 
- 3 Su, S., Wang, S.  
A simple monitoring network system of Wireless Sensor Network  
(2012) *Buletin Teknik Elektro dan Inform atika (Bulletin of Electrical Engineering and Informatics)*, 1 (4), pp. 251-254. Cited 8 times.
- 
- 4 Yan, X.  
A Wireless Sensor Network in Precision Agriculture  
(2012) *TELKOMNIKA (Telecommunication Computing Electronics and Control)*, 10 (4), pp. 788-797. Cited 4 times.
- 
- 5 Yang, W.  
Determining Differentiated Services Network Pricing Through Auctions  
*Networking-ICN 2005, 4th International Conference on Networking April 2005 Proceedings, Part I. 2005. Reunion Island*  
France: Springer-Verlag Berlin Heidelberg
- 
- 6 Puspita, F.M., Seman, K., Taib, B.M., Shafii, Z.  
Improved models of internet charging scheme of single bottleneck link in multi QoS networks  
  
(2013) *Journal of Applied Sciences*, 13 (4), pp. 572-579. Cited 15 times.  
<http://scialert.net/qredirect.php?doi=jas.2013.572.579&linkid=pdf>  
doi: 10.3923/jas.2013.572.579  
  
View at Publisher
- 
- 7 Puspita, F.M.  
The Improved Models of Internet Pricing Sclicmc of Multi Service Multi Link Networks with Various Capacity Links  
*Advanced Computer and Communication Engineering Technology*. Cited 3 times.
- 
- 8 Sulaiman, H.A.  
(2015)  
Editors. Springer International Publisliing: Switzzcland
-

- 9 Safari, E.  
Determining strategy of pricing for a web service with different QoS levels and reservation level constraint  
(2014) *Applied Mathematical Modelling*. Cited 4 times.

- 10 Adriansyah, N.M., Asvial, M., Budiardjo, B.  
Modified greedy physical link scheduling algorithm for improving wireless mesh network performance  
  
(2015) *Telkomnika (Telecommunication Computing Electronics and Control)*, 13 (1), pp. 202-210. Cited 5 times.  
[http://journal.uad.ac.id/index.php/TELKOMNIKA/article/download/790/pdf\\_146](http://journal.uad.ac.id/index.php/TELKOMNIKA/article/download/790/pdf_146)  
doi: 10.12928/TELKOMNIKA.v13i1.790  
  
View at Publisher

- 11 Li, J., Tian, X.  
Application of ant colony algorithm in multi-objective optimization problems  
  
(2015) *Telkomnika (Telecommunication Computing Electronics and Control)*, 13 (3), pp. 1029-1036. Cited 3 times.  
<http://journal.uad.ac.id/index.php/TELKOMNIKAhttp://journal.uad.ac.id/index.php?journal=TELKOMNIKA&page=issue&op=archive>  
doi: 10.12928/TELKOMNIKA.v13i3.1806  
  
View at Publisher

- 12 Irmeilyana, Puspita, F.M., Husniah, I.  
Optimization of wireless internet pricing scheme in serving multi QoS network using various attributes (Open Access)  
  
(2016) *Telkomnika (Telecommunication Computing Electronics and Control)*, 14 (1), pp. 273-279. Cited 8 times.  
[http://journal.uad.ac.id/index.php/TELKOMNIKA/article/download/2256/pdf\\_330](http://journal.uad.ac.id/index.php/TELKOMNIKA/article/download/2256/pdf_330)  
doi: 10.12928/TELKOMNIKA.v14i1.2256  
  
View at Publisher

- 13 Sain, S., Herpers, S.  
Profit Maximisation in Multi Service Networks- An Optimisation Model  
(2003) *Proceedings of the 11th European Conference on Information Systems ECIS 2003*. Cited 10 times.  
Naples. Italy

- 14 Bynn, J., Chatterjee, S.  
A strategic pricing for quality of service (QoS) network business  
(2004) *Proceedings of the Tenth Americas Conference on Information Systems*. Cited 5 times.  
New York

- 15 Wallenius, E., Hainalainen, T.  
(2002) *Pricing Model for SG/4G Networks in The 13th IEEE International Symposium on Personal, Indoor, and Mobile Radio Communications*  
Lisbon. Portugal



---

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