

# Improvement to approaches to the problem of Ethernet networks traffic modeling

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<b>Abstract</b>	<b>Abstract:</b>
Document Sections	In the present paper different approaches to the problem of Ethernet networks traffic modeling have been considered. The main focus is concentrated on the On/Off and ARFIMA models. A new method for estimating the average queue length in buffers of network devices that is necessary to serve traffic in accordance with the specified characteristics is offered.
I. Introduction	
II. On/off Model Of Ethernet Traffic	<b>Published in:</b> 2013 IEEE 7th International Conference on Intelligent Data Acquisition and Advanced Computing Systems (IDAACS)
III. ARFIMA Model Of Ethernet Traffic	<b>Date of Conference:</b> 12-14 September 2013 <b>INSPEC Accession Number:</b> 13899849
IV. Methods For Estimating The Average Queue Length In The Buffer	<b>Date Added to IEEE Xplore:</b> 14 November 2013 <b>DOI:</b> 10.1109/IDAACS.2013.6662655
V. Ethernet Traffic Traces	<b>► ISBN Information:</b> <b>Publisher:</b> IEEE <b>Conference Location:</b> Berlin, Germany