

Influence of browser type on HTTP Traffic parameters

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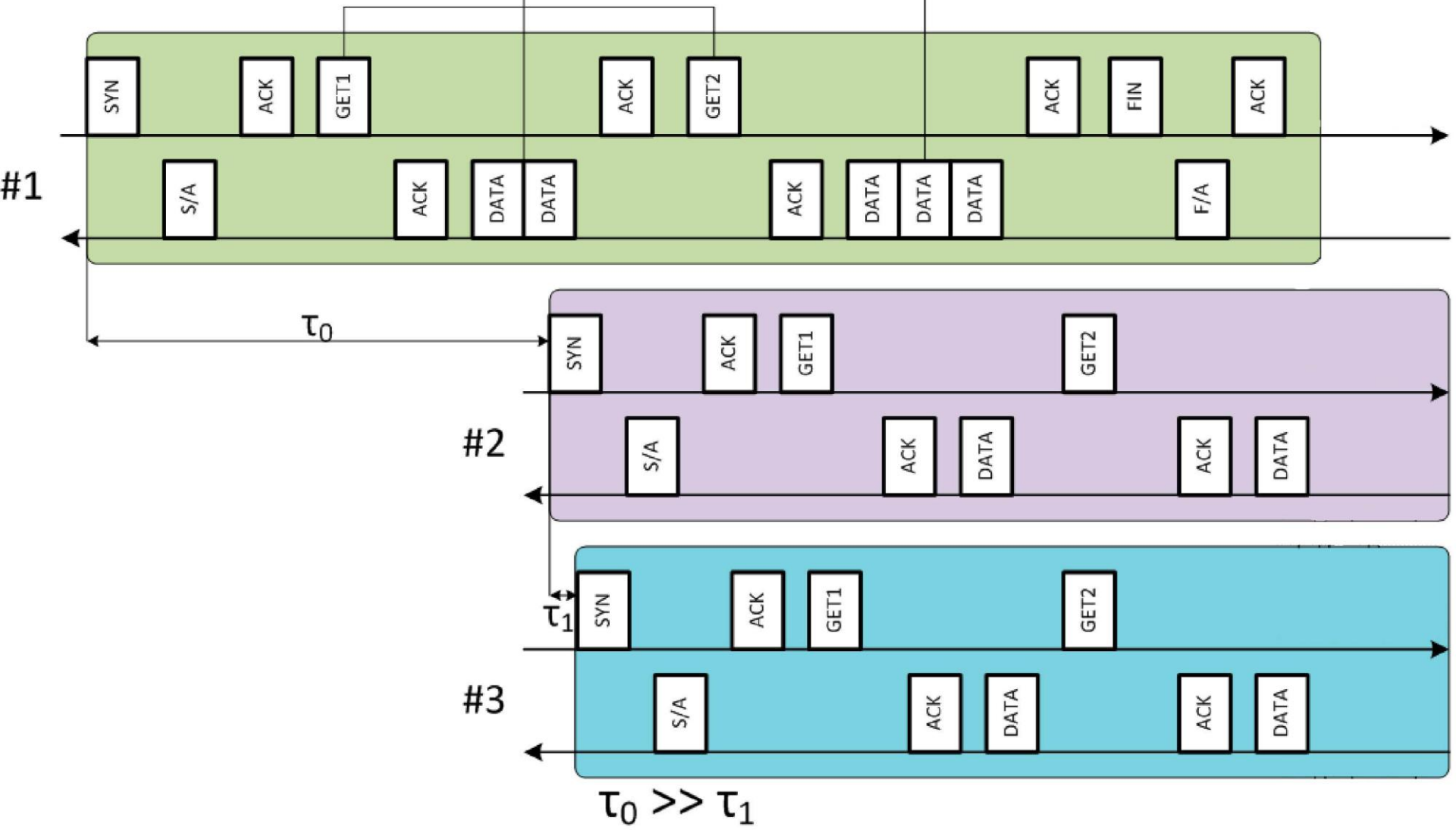
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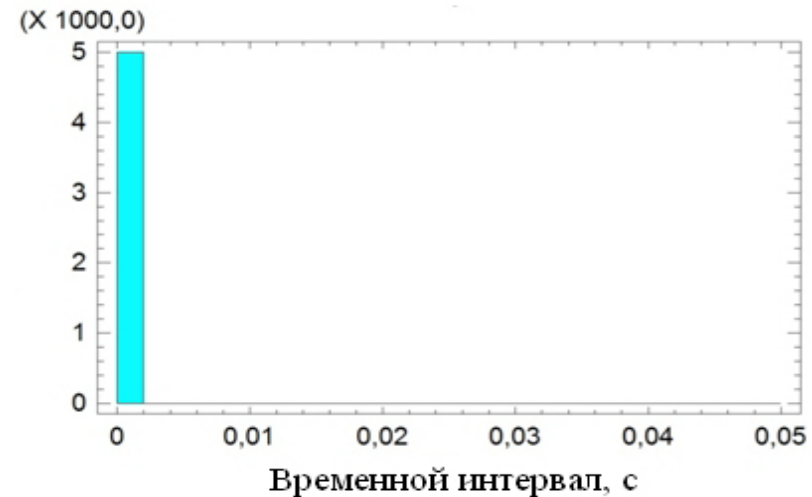
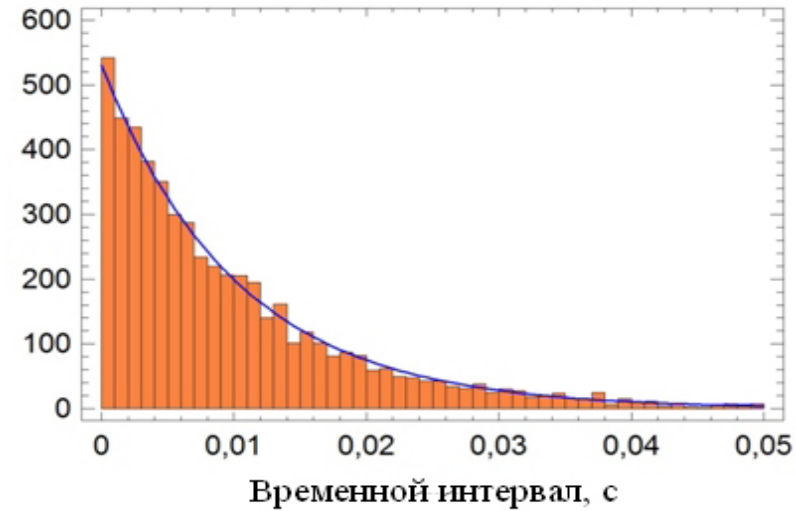
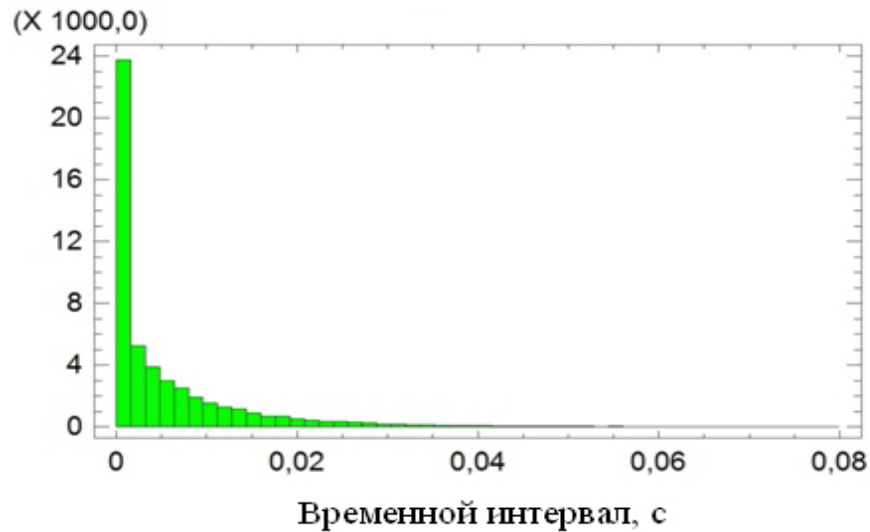
The table of correspondence browser, its version, and the number of simultaneous connections

Browser	Version	Max threads per host	Max threads total
Internet Explorer	6	2	34
	7	2	55
	8	6	35
	9	6	35
Mozilla FireFox	4	6	30
	5	6	30
Safari	5	6	30
	6	5	5
Opera	9	4	20
	10	8	30
	11	8	32
	Mini 5	11	30
Google Chrome	9	6	35
	10	6	35
	11	6	35

The scheme of interaction by browser with Web server taking into account mechanism of optimization with parallel HTTP connections

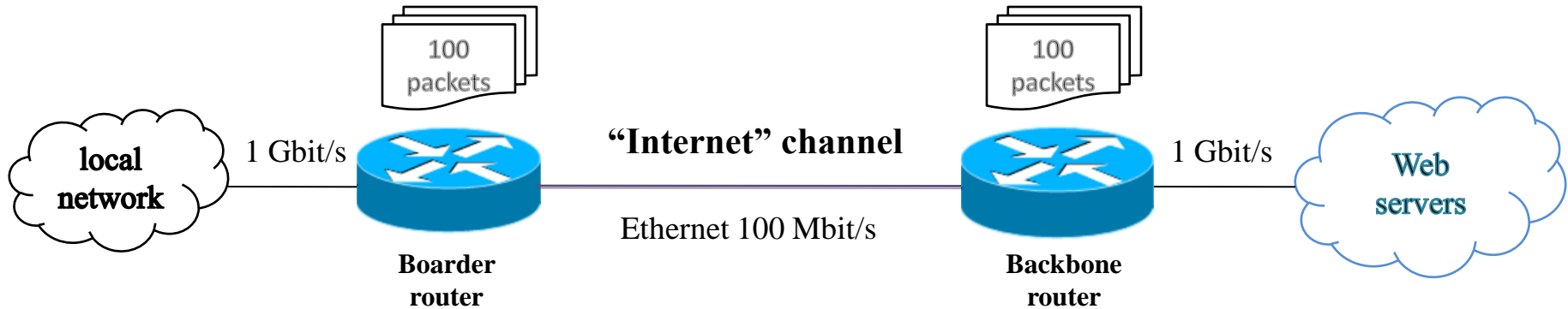


Distribution of intervals between TCP sessions

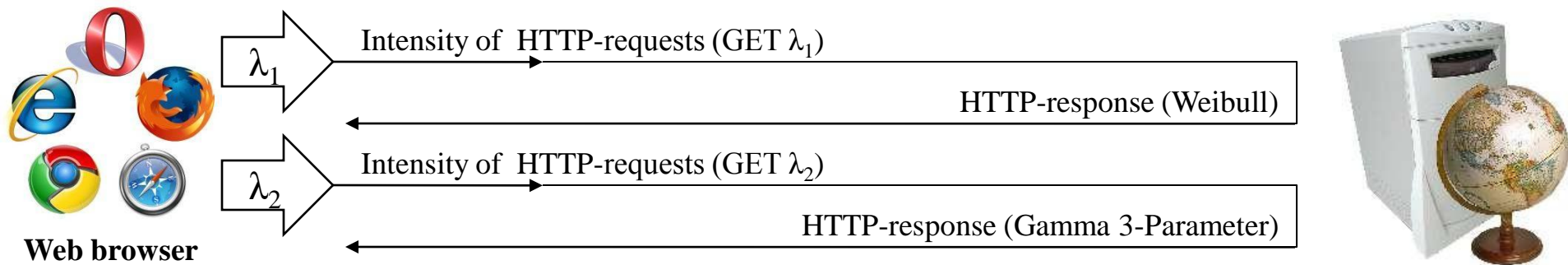


The developed simulation model on NS2 + PackMIME

The modeling network topology

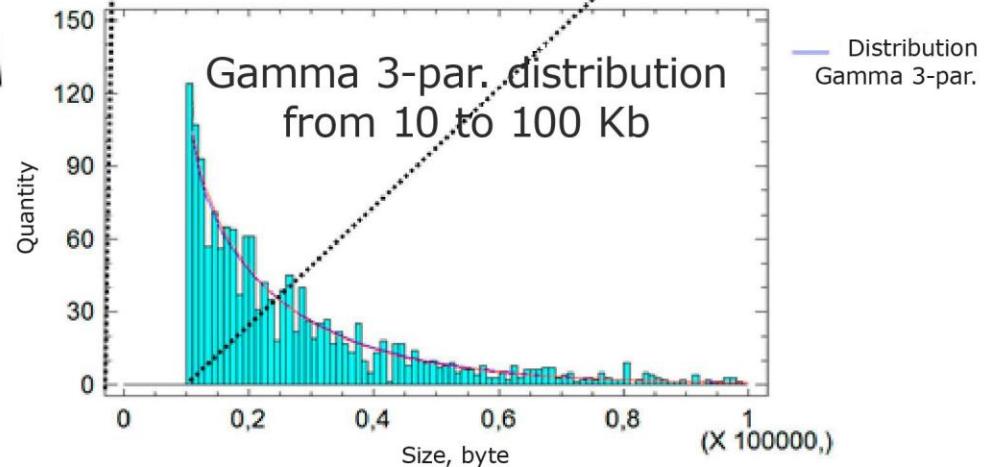
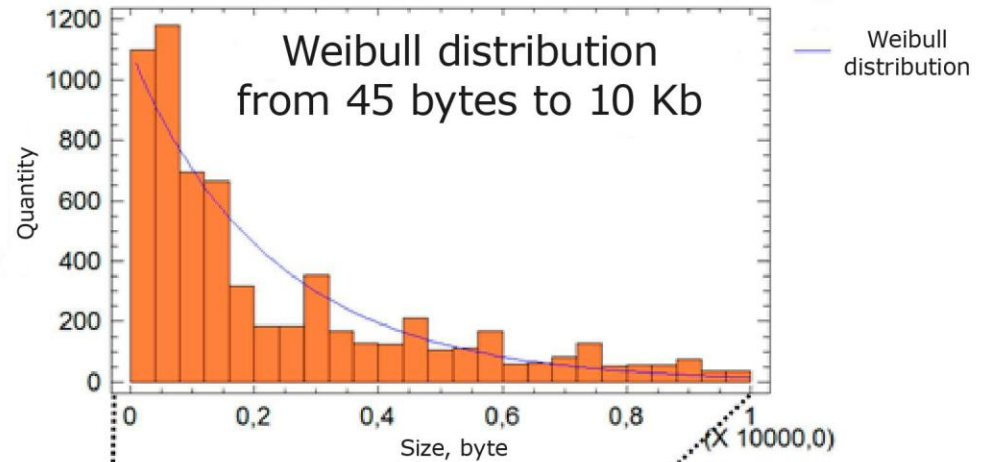
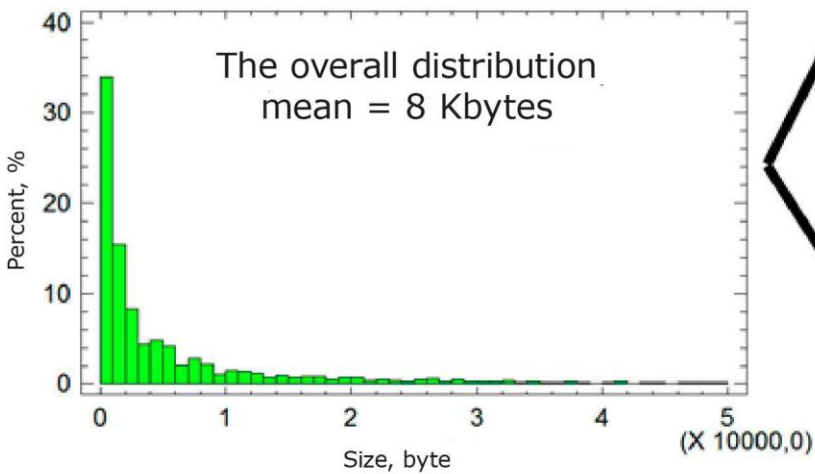


functioning principle

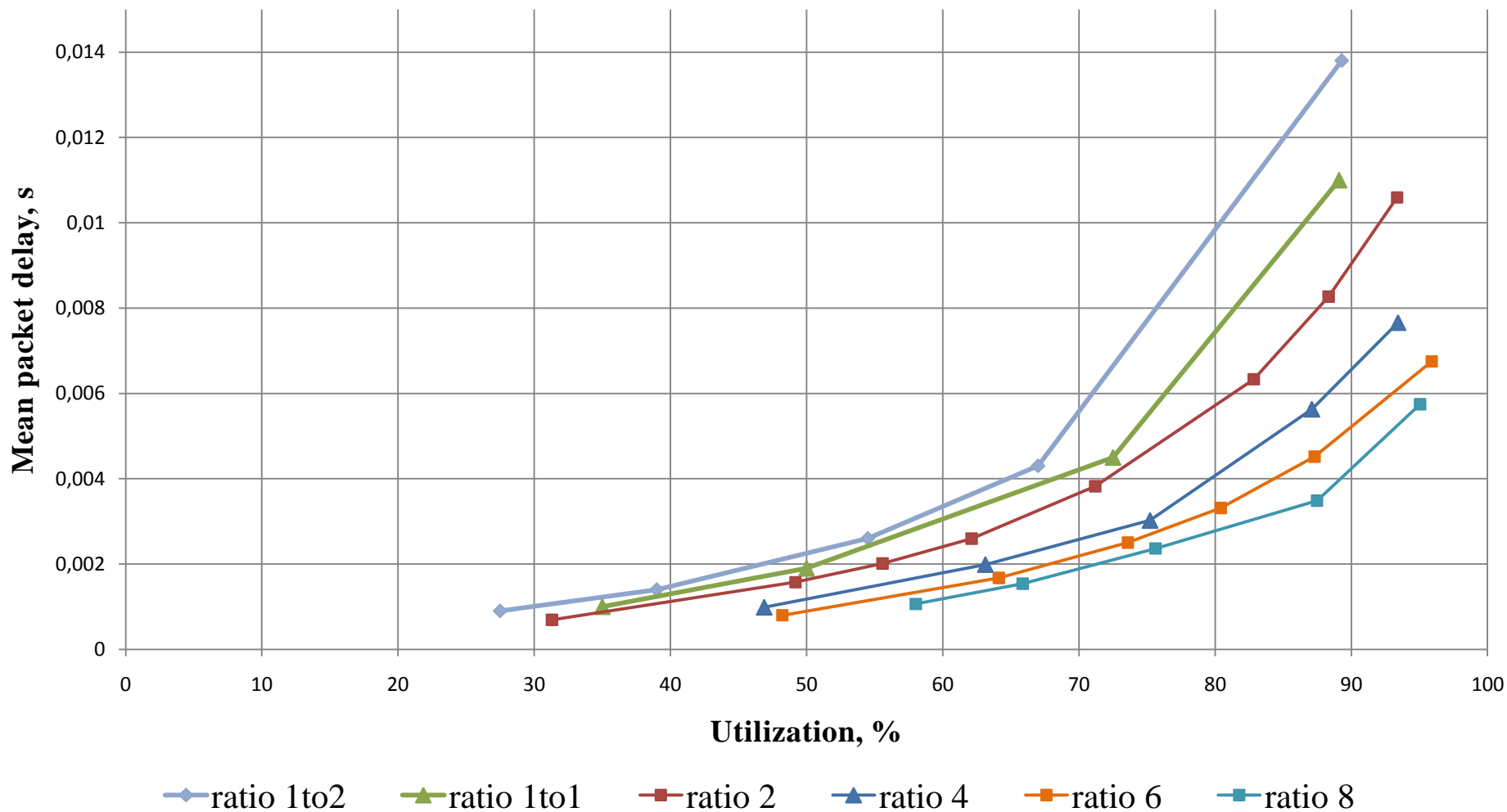


Distribution of size for HTTP response

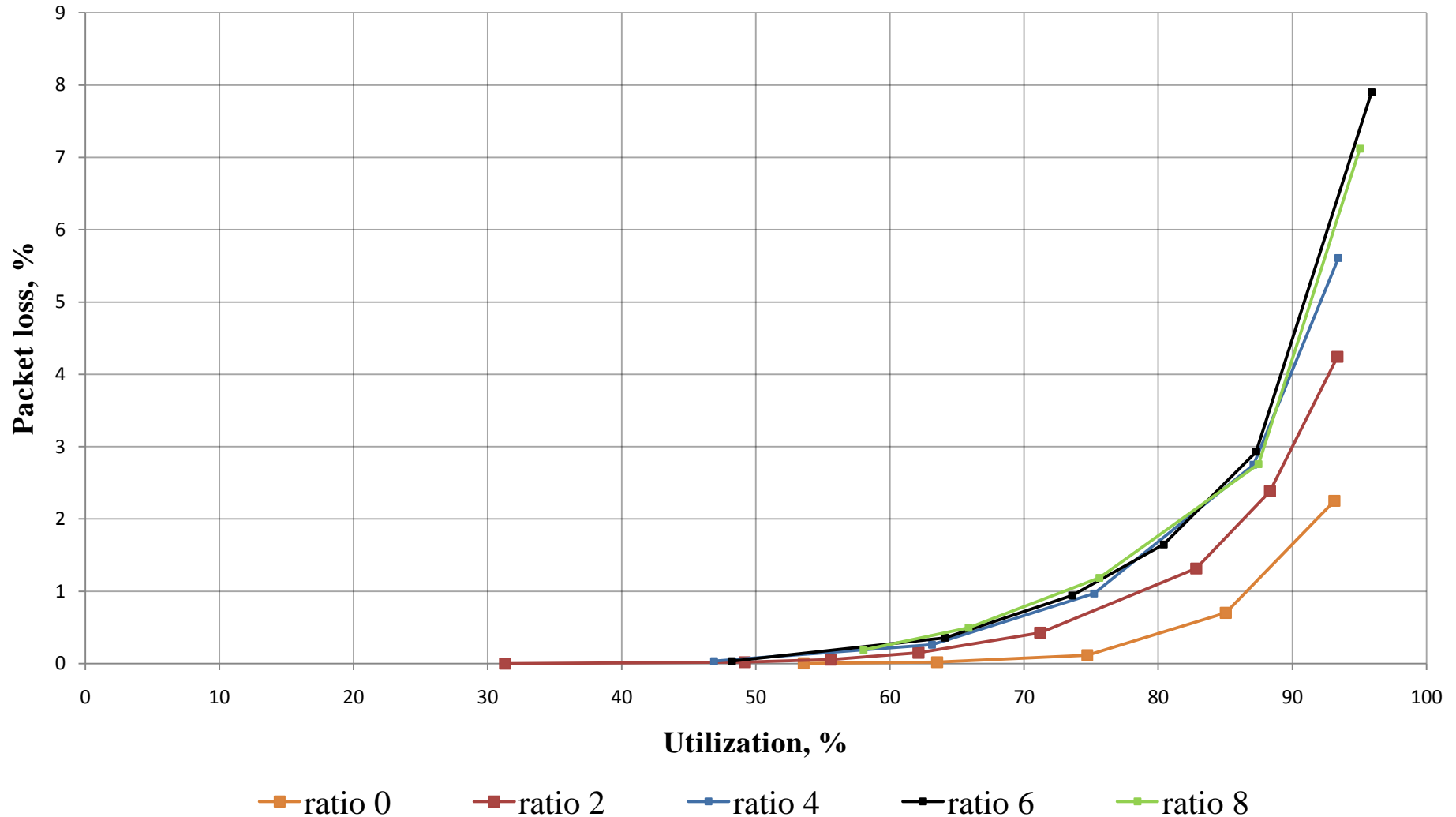
Size distribution of HTTP responses



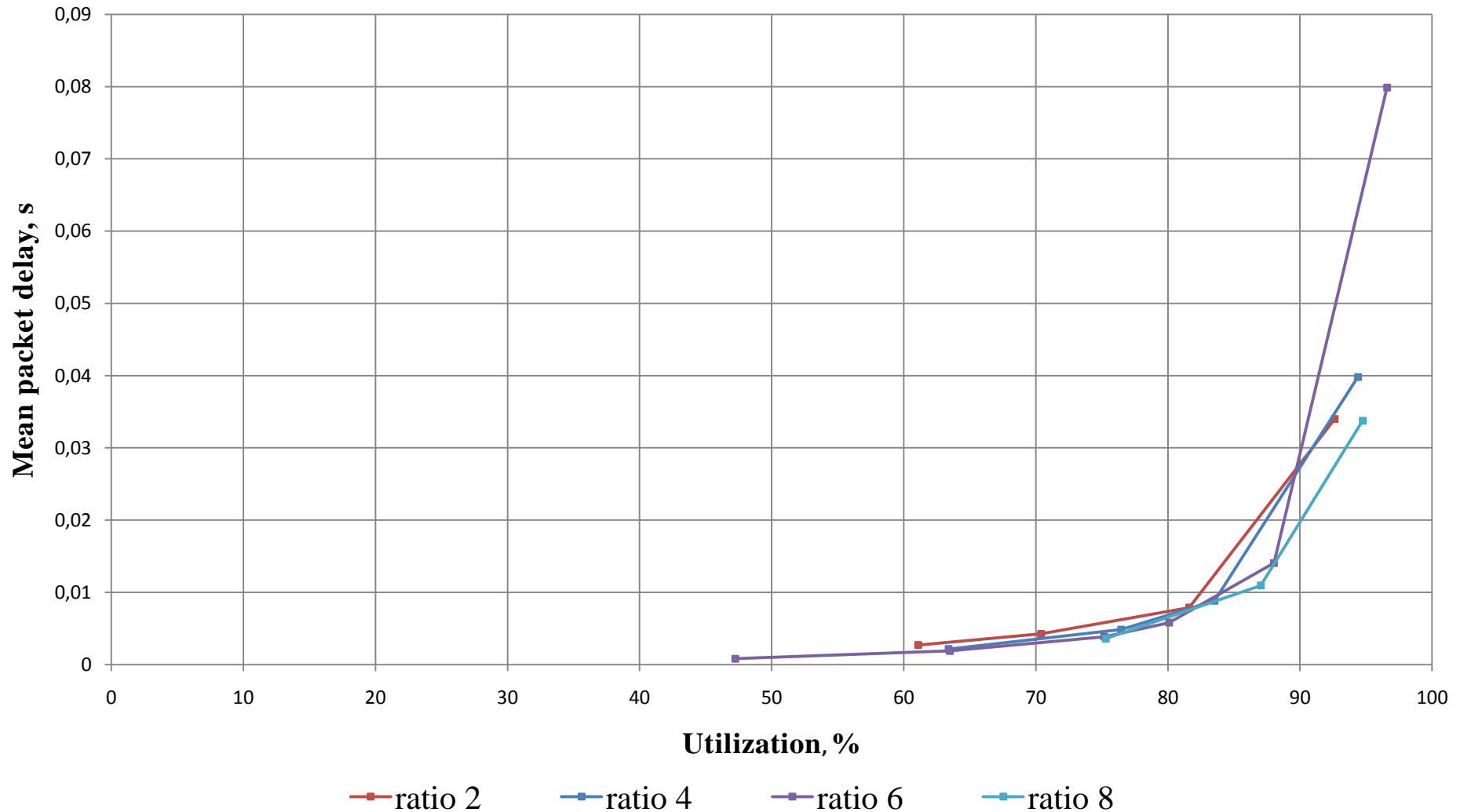
Influence of number of parallel TCP connections on packet delay



Influence of number of parallel TCP connections on packet loss



Influence of number of parallel TCP connections on packet delay (with unlimited buffer)



Further studies

- Investigation of distribution of objects per page (HTML, HTML with AJAX, HTML with flash, only flash).
- Upgrade of the model, taking into account the distribution of objects per page.
- Analysis of simulation results. Consideration (рассмотрение) of the average time of page load as a main measure (parameter) of QoE.

This FRUCT is tasty!

- **Thanks!**
- **I will answer your questions**
- **received on my mail:**
- **vdeart@mail.ru**