

10. REFERENCES

- [1] 3G/4G wireless network latency: Comparing Verizon, AT&T, Sprint and T-Mobile in February 2014.
- [2] Alexa, Top Sites in United States. <http://www.alexa.com/topsites/countries/US>.
- [3] ARM big.LITTLE technology. <http://www.thinkbiglittle.com>.
- [4] Blink. <http://www.chromium.org/blink>.
- [5] Content module. <http://www.chromium.org/developers/content-module>.
- [6] Differences between Google Chrome and Linux distro Chromium. <http://code.google.com/p/chromium/wiki/ChromiumBrowserVsGoogleChrome>.
- [7] The dummy net project. <http://info.iet.unipi.it/~luigi/dummy net>.
- [8] Hypertext transfer protocol version 2.0, draft-ietf-httpbis-http2-07. <http://tools.ietf.org/html/draft-ietf-httpbis-http2-07>.
- [9] SPDY. <http://www.chromium.org/spdy>.
- [10] Speed index. <http://sites.google.com/a/webpagetest.org/docs/using-webpagetest/metrics/speed-index>.
- [11] Telemetry. <http://www.chromium.org/developers/telemetry>.
- [12] Visual progress - dev tools. <http://www.webpagetest.org/forums/showthread.php?tid=12216>.
- [13] Web Page Replay. <http://www.github.com/chromium/web-page-replay>.
- [14] WebKit. <http://www.webkit.org>.
- [15] M. Butkiewicz, H. V. Madhyastha, and V. Sekar. Understanding Website Complexity: Measurements, Metrics, and Implications. In *Proc. ACM IMC*, 2011.
- [16] A. Carroll and G. Heiser. Mobile multicores: Use them or waste them. In *Proc. USENIX HotPower*, 2013.
- [17] A. Carroll and G. Heiser. Unifying DVFS and offlining in mobile multicores. In *Proc. IEEE RTAS*, 2014.
- [18] H. Chung, M. Kang, and H. D. Cho. Heterogeneous Multi-Processing Solution of Exynos 5 Octa with ARM big.LITTLE Technology, 2012.
- [19] A. Cunningham. New Opera for Android looks like Opera, tastes like Chrome. <http://arstechnica.com/information-technology/2013/05/new-opera-for-android-looks-like-opera-tastes-like-chrome>.
- [20] M. Dong and L. Zhong. Chameleon: A Color-adaptive Web Browser for Mobile OLED Displays. In *Proc. ACM MobiSys*, 2011.
- [21] M. Dong and L. Zhong. Chameleon: A Color-Adaptive Web Browser for Mobile OLED Displays. *IEEE Transactions on Mobile Computing (TMC)*, 2012.
- [22] S. Dutton. Measuring Page Load Speed with Navigation Timing. <http://www.html5rocks.com/en/tutorials/webperformance/basics>, 2011.
- [23] J. Glauner. Analyzing Website Performance at a Glance. <http://www.stratigent.com/community/analytics-insights-blog/analyzing-website-performance-glance>, 2013.
- [24] U. Gundecha. *Selenium Testing Tools Cookbook*. Packt Publishing, 2012.
- [25] Q. He, C. Dovrolis, and M. Ammar. On the predictability of large transfer TCP throughput. In *Proc. ACM SIGCOMM*, 2005.
- [26] J. Huang. *Performance and Power Characterization of Cellular Networks and Mobile Application Optimizations*. PhD thesis, The University of Michigan, 2013.
- [27] J. Huang, Q. Xu, B. Tiwana, Z. M. Mao, M. Zhang, and P. Bahl. Anatomizing application performance differences on smartphones. In *Proc. ACM MobiSys*, 2010.
- [28] B. Iglewicz and D. Hoaglin. *Volume 16: How to Detect and Handle Outliers*. 1993.
- [29] Monsoon Solutions Inc. Monsoon power monitor. <http://www.msoon.com/LabEquipment/PowerMonitor>.
- [30] Y. Ma, X. Liu, S. Zhang, R. Xiang, Y. Liu, and T. Xie. Measurement and Analysis of Mobile Web Cache Performance. In *Proc. WWW*, 2015.
- [31] L. A. Meyerovich and R. Bodik. Fast and parallel webpage layout. In *Proc. WWW*, 2010.
- [32] M. Mirza, J. Sommers, P. Barford, and Xiaojin Zhu. A machine learning approach to TCP throughput prediction. *Networking, IEEE/ACM Transactions on*, 18(4):1026–1039, 2010.
- [33] K. W. Nixon, X. Chen, H. Zhou, Y. Liu, and Y. Chen. Mobile gpu power consumption reduction via dynamic resolution and frame rate scaling. In *HotPower*, 2014.
- [34] A. Pathak, Y. C. Hu, and M. Zhang. Where is the Energy Spent Inside My App?: Fine Grained Energy Accounting on Smartphones with Eprof. In *Proc. ACM EuroSys*, 2012.
- [35] F. Qian, S. Sen, and O. Spatscheck. Characterizing Resource Usage for Mobile Web Browsing. In *Proc. ACM MobiSys*, 2014.
- [36] F. Qian, Z. Wang, A. Gerber, Z. M. Mao, S. Sen, and O. Spatscheck. Characterizing Radio Resource Allocation for 3G Networks. In *Proc. ACM IMC*, 2010.
- [37] M. Rasmussen. sched: Task placement for heterogeneous MP systems. <http://www.lwn.net/Articles/517250>, 2012.
- [38] R. Schoen. Wicked Fast (Performance investments). In *Chrome Dev Summit*, 2014.
- [39] B. Shneiderman, C. Plaisant, M. Cohen, and S. Jacobs. *Designing the User Interface: Strategies for Effective Human-Computer Interaction*. Fifth edition, 2009.
- [40] J. Sommers and P. Barford. Cell vs. wifi: On the performance of metro area mobile connections. In *Proc. ACM IMC*, 2012.
- [41] N. Thiagarajan, G. Aggarwal, A. Nicoara, D. Boneh, and J. P. Singh. Who Killed My Battery?: Analyzing Mobile Browser Energy Consumption. In *Proc. WWW*, 2012.
- [42] X. S. Wang, A. Balasubramanian, A. Krishnamurthy, and D. Wetherall. How Speedy is SPDY? In *Proc. USENIX NSDI*, 2014.
- [43] Z. Wang, F. X. Lin, L. Zhong, and M. Chishtie. How Far Can Client-only Solutions Go for Mobile Browser Speed? In *Proc. WWW*, 2012.
- [44] F. Xu, Y. Liu, T. Moscibroda, R. Chandra, L. Jin, Y. Zhang, and Q. Li. Optimizing Background Email Sync on Smartphones. In *Proc. ACM MobiSys*, 2013.
- [45] B. Zhao, Q. Zheng, G. Cao, and S. Addepalli. Energy-Aware Web Browsing in 3G Based Smartphones. In *Proc. IEEE ICDCS*, 2013.
- [46] Y. Zhu and V. J. Reddi. High-performance and Energy-efficient Mobile Web Browsing on Big/Little Systems. In *Proc. IEEE HPCA*, 2013.