Ruprecht-Karls University of Heidelberg
Institute of Computer Engineering

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Advanced Parallel Computing
Summer term 2019

Exercise 1

- **Return electronically until Tuesday, 30th April, 14:00**

- **Include name on the top sheet.**

- **A maximum of two students is allowed to work jointly on the exercises.**

1.1 Reading

Read the following two papers and provide reviews as explained in the first lecture (see slides):

- Shekhar Borkar and Andrew A. Chien. 2011. The future of microprocessors. Commun. ACM 54, 5 (May 2011), 67-77. DOI=http://dx.doi.org/10.1145/1941487.1941507

- Peter J. Denning and Ted G. Lewis. 2016. Exponential laws of computing growth. Commun. ACM 60, 1 (December 2016), 54-65. DOI: https://doi.org/10.1145/2976758

(25 points)

Total: 25 points