

UNIVERSITÄT HEIDELBERG  
INSTITUTE FOR COMPUTER ENGINEERING  
(ZITI)

MASTER OF SCIENCE COMPUTER ENGINEERING  
PARALLEL COMPUTER ARCHITECTURE

## **Exercise 3**

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Due date 2019-11-19, 14:00

### 3.1 Hitzeverteilung

#### 3.1.2 Experimente und Evaluation

a.

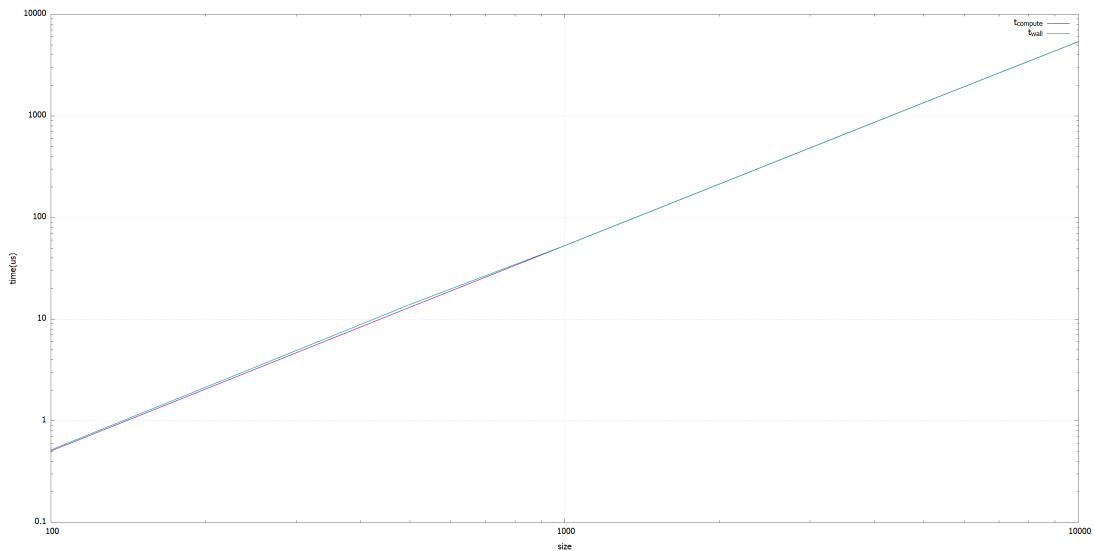


Abbildung 1: Messwerte in doppelt logarithmischer Darstellung

Tabelle 1: Messwerte

$\mathbf{N \times N, m}$	$t_{compute}(s)$	$t_{wall}(s)$
$100 \times 100, 35$	0.505719	0.518
$500 \times 500, 175$	13.1445	13.994
$1000 \times 1000, 350$	52.9463	53.073
$5000 \times 5000, 1750$	1352.53	1355.399
$10000 \times 10000, 3500$	5392.75	5404.44

@todo: discuss

b.

@todo: calc