Universität Heidelberg

Parallel Computer Architecture

Exercise 2

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Group 04

2.1 Matrix-Vektor-Multiplikation

2.1.2 Experimente und Evaluation

a.

Table 1: Messwerte

M × N	t_{row}	t_{col}	**Ratio**
10 × 10	8.545×10^{-6}	1.1626×10^{5}	0.73499054
100 × 100	0.000254222	0.000722013	0.35210169
500 × 500	0.005989163	0.016997692	0.35235154
1000 × 1000	0.023987485	0.069154029	0.34687039
5000 × 5000	0.60724551	1.7547349	0.34606111
10000 × 10000	2.4371004	7.2018543	0.33839902

b.

c.

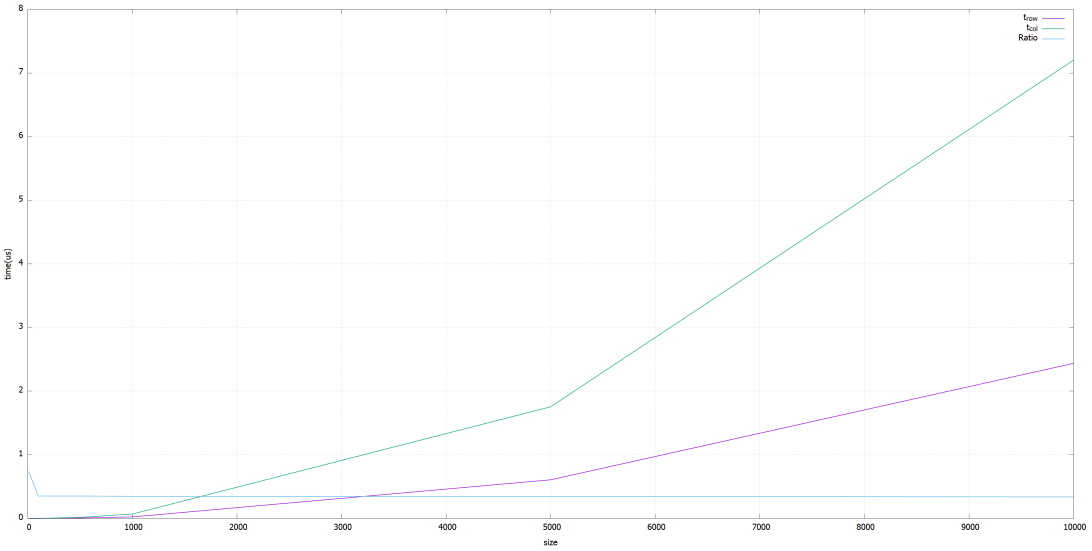

Figure 1: Messwerte