



Institut of Numerical Mathematics

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4 November 2016
Quiz 3

High Performance Computing I (WS 2016/2017)

Deadline: 11 November 2016, 2pm

Notice:

Please type your responses in a simple text file named "quiz03.txt" and submit it on our server *thales* using the following command:

```
thales$ submit hpc quiz03 quiz03.txt
```

Question 1

Formulate the 'school method' for the GEMM matrix-matrix multiplication in terms of vector operations.

Question 2

Formulate the col-major variant for the GEMM matrix-matrix multiplication in terms of vector operations.

Question 3

Formulate the row-major variant for the GEMM matrix-matrix multiplication in terms of vector operations.