

SGEMM Product Analysis

Roger Pujol

Universitat Politècnica de Catalunya (UPC)

Barcelona, Spain

roger.pujol.torramorell@est.fib.upc.edu

ABSTRACT

General Matrix Multiplications (GEMM) are a key component in the rising world of Deep Learning. Most of the computational complexity of Deep Neural Networks can be reduced to multiple huge GEMMs. Since any small optimization in GEMM can affect positively in many applications, our objective in this project will be to find how the parameters affect the performance of this kind of operations. Also we will try to get a regressor model capable to predict the time that will be needed to compute the GEMM given the parameters used.

The code of this project is Open Source and can be found in:
https://github.com/rogerpt32/adm_paper1

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