



Universität
Basel

Departement
Mathematik und Informatik

Design and assembly of a parallel single-board computing (SBC) cluster with 64 SBCs. Testing and benchmarking of the SBC cluster using CPU-intensive, memory-intensive, and network-intensive benchmarks. Analysis of the performance-to-price ratio.

Bachelor Thesis

Natural Science Faculty of the University of Basel
Department of Mathematics and Computer Science
High Performance Computing
hpc.dmi.unibas.ch

Examiner: Prof. Dr. Florina M. Ciorba
Supervisor: Dipl. el.- Ing. ETH Robert Frank

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