Comparison of hybrid sorting algorithms implemented on different parallel hardware platforms

Marcin Pietroń
Dominik Żurek
Maciej Wielgosz
Kazimierz Wiatr
Motivation

- Sorting problem is very common in a lot of computer science domains
- Some of sorting algorithms can be parallelized
- Hardware accelerators enable speeding up some stages of sorting algorithms
- Heterogeneous sorting using multicore systems and hardware accelerators is challenging and should give the best effectiveness
Architecture of hybrid sorting