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Bioinformatics High Performance Parallel Computer
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Bioinformatics | High Performance Parallel Computer ...
Bioinformatics: High Performance Parallel Computer Architectures (Embedded Multi-Core Systems) Bertil Schmidt. New sequencing technologies have broken many experimental barriers to genome scale sequencing, leading to the extraction of huge quantities of sequence data. This expansion of biological databases established the need for new ways to harness and apply the astounding amount of available genomic information and convert it into substantive biological understanding.

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Bioinformatics: High Performance Parallel Computer ...
Bioinformatics could greatly benefit from increased computational resources delivered by High Performance Computing. However, the decision-making about which is the best architecture to deliver good performance for a set of Bioinformatics applications is a hard task. The traditional way is finding the architecture with a high theoretical peak of performance, obtained with benchmark tests.

Leveraging High Performance Computing for Bioinformatics ...
Abstract. In the last 10 years, we are witnessing one of the major revolutions in parallel systems. The consolidation of heterogeneous systems at different levels -from desktop computers to large-scale systems such as supercomputers, clusters or grids, through all kinds of low-power devices- is providing a computational power unimaginable just few years ago, trying to follow the wake of Moore ...

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