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Bioinformatics High Performance Parallel Computer

A compilation of recent approaches from prominent

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Computer Architectures discusses how to take advantage of  
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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.

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Leveraging High Performance Computing for Bioinformatics

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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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