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Abstract

In computer science, the analysis of algorithms is the determination of the number of resources (such as time and storage) necessary to execute them. Most algorithms are designed to work with inputs of arbitrary length. Usually the efficiency or running time of an algorithm is stated as a function relating the input length to the number of steps (time complexity) or storage locations (space complexity). As the efficiency of algorithm increases number of steps involved in computation and storage requirement will reduce both of these will result in saving of electrical power and hence will contribute to green computing. In this paper various algorithms are discussed which can help in power saving and therefore will contribute to green computing. In this paper we have reviewed various algorithms for computing energy consumption on green

computing.

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Index Terms

Computer Science Green Computing

Keywords

Green Computing; Algorithm