Abstract

we survey the current techniques to handle with the problem of parallel string matching with computing models. This is becoming a more and more relevant issue for many fast growing areas such as information retrieval and computational biology. We focus on current developments of parallel string matching, computing models, and the central ideas of the algorithms and their complexities. We present the performance of the different algorithms and their effectiveness. Finally this analysis helps the researchers to develop the better technique.

References

- Chinta Someswararao, K Butchiraju, S ViswanadhaRaju, &quot;PDM data classification from STEP- an object oriented String matching approach&quot;, IEEE conference on
- Leslie G. Valiant, A bridging model for parallel computation, Commun. ACM, volume 33, issue 8, August, 1990, pages 103—111
- M. Alicherry, M. Muthuprasanna and V. Kumar, High speed pattern matching for
Parallel String Matching Problems with Computing Models – An Analysis of the Most Recent Studies

- Yu Cheng and Tao Zhang, &quot;Design of Fast Multiple String Searching Based on Improved Prefix Tree&quot;, 2010 Third International Conference on Knowledge Discovery and Data Mining, pp. 111-114, 2010.
- KSMV Kumar, S. Viswanadha Raju and A. Govardhan, &quot;Overlapped Text Partition Algorithm for Pattern Matching on Hypercube Networked Model&quot;, GJCST, pp. 1-8, 2013.

Index Terms

Computer Science

Information Sciences

Keywords

Text processing   IRS   computing models   string matching   parallel algorithms.