Advanced topics in algorithms:

bibliography list 3

The two most recent papers on the cycle detection problem are [3, 1].
Material on strings can be found in [2]. The linear time suffix array construction algorithm is in [4]. The linear time LCP algorithm is in [5].

References

[1] Michael A. Bender, Jeremy T. Fineman, Seth Gilbert, and Robert Endre Tarjan. A new approach to incremental cycle detection and related problems. *CoRR*, abs/1112.0784, 2011.

[2] Dan Gusfield. *Algorithms on Strings, Trees and Graphs*. Cambridge Univ. Press, Cambridge, 1997.

[3] Bernhard Haeupler, Telikepalli Kavitha, Rogers Mathew, Siddhartha Sen, and Robert Endre Tarjan. Incremental cycle detection, topological ordering, and strong component maintenance. *ACM Transactions on Algorithms*, 8(1):3, 2012.

[4] Juha Kärkkäinen, Peter Sanders, and Stefan Burkhardt. Linear work suffix array construction. *J. ACM*, 53(6):918–936, 2006.

[5] Toru Kasai, Gunho Lee, Hiroki Arimura, Setsuo Arikawa, and Kunsoo Park. Linear-time longest-common-prefix computation in suffix arrays and its applications. In Amihood Amir, editor, *Combinatorial Pattern Matching (CPM)*, volume 2089 of *Lecture Notes in Computer Science*, pages 181–192. Springer-Verlag, 2001.