

# Update Algorithm in Temporal Database

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**Abstract:** The developments of database technology have extended the traditional relation database concept in several directions [1], [2], [3]. Of particular interest to this work is temporal extension. In this paper, we are going to add the temporal dimension to a logic system and define the notion of safe temporal query, temporal rule. After that, we describe some results about semantics and effects of updates in temporal database.

## References

- [1] Finger. M and D. M. Gabbay, *Adding a Temporal Dimension to a Logic System*, Journal of Logic Language and Information, 1993.
- [2] Gabbay. D . M and P. McBien, *Temporal Logic and Historical Database*, In 17th Conference on Very Large Databases, 1994.
- [3] Gabbay. D. M, I. M. Hodkinson, M. A. Reynolds, *Temporal Logic - Mathematical Foundations and Computational Aspects*, To appear in OUP, 1994.

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