

Database Transformation from Relational to Object-oriented Model and Corresponding Query Translation

Predrag Stanisic, Department of Mathematics and Computer Science, University of Montenegro, Yugoslavia .

ABSTRACT

The problem of database transformation from relational to object-oriented model occurs when using heterogeneous databases and when moving from a relational to an object-oriented database management system. The process of database transformation from one model to another can be divided in two main phases: database schema transformation from one model to another and data migration in accordance with schema transformation. Also, when converting applications that work with a relational database into applications that work with an object-oriented database, the query translation problem arises. We describe methods that enable automatization of all these three phases of database transformation process.

Keywords: *object-oriented, relational database, query translation*

Mathematics Subject Classification: *68P15*

Contact Address: `predrag@rc.pmf.cg.ac.yu`