ODB-QOPTIMIZER: a tool for semantic query optimization in OODB

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Abstract

ODB-QOPTIMIZER *is a ODMG 93 compliant tool for the schema validation and semantic query optimization. The approach is based on two fundamental ingredients. The first one is the* OCDL *description logics (DLs) proposed as a common formalism to express class descriptions, a relevant set of* integrity constraints *rules (IC rules) and queries. The second one are DLs inference techniques, exploited to evaluate the logical implications expressed by IC rules and thus to produce the* semantic expansion *of a given query.*