



EDDI implements ISBL as a 'definitive notation'

*eddi

**altruits (name CMA, begis IIIT, end IIIT)

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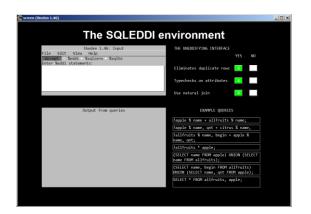
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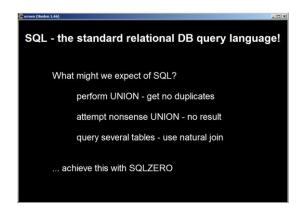
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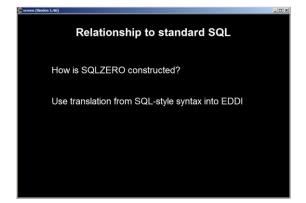
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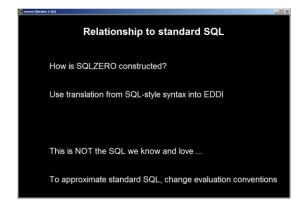
Mathematical foundation for EDDI

set-theoretic operations: union of relations
strict type checking: domains + attributes
pure relational algebra operators: natural join









The Uneddifying Interface shows how standard SQL

- mixes sets with multisets
 issues for SELECT / SELECT DISTINCT

- creates nonsense relations: violates relational laws
 e.g. A+B differs from B+A

- leads to complex treatment of join
 implementation issues for natural join
 affect syntax, translation and evaluation

Constructing the environment

Incremental development approach ("Empirical Modelling")

development, testing, debugging
of interface, evaluation strategy, parser
by modifying small groups of definitions
through experimentation and interpretation

... leading to an extension for a toy SQL
following standard conventions, developed on-the-fly

