Enabling Interoperation

Databases

- **serve clients via SQL by**
  - **Sharing a Model (The Schema)**
  - **A query language over the model**

the SQL interface enables

- **independence of**
  - **application development**
  - **DBMS technology development**
  - **reuse of infrastructure**

Today

- **most new systems use a DBMS for data storage**
  - **even with less performance**
  - **inability to handle all data problems**

Simulations *should*

- **serve clients via a *SimQL* by**
  - **Sharing a Model (: research ques.)**
  - **A query language over the model**

a *SimQL interface* is to enable

- **independence of**
  - **application development**
  - **simulation technology development**
  - **reuse of infrastructure**

Objective

- **build information systems that combine DBMS, Simulations**
  - **even with less performance**
  - **inability to handle all simulation problems**