A RELATIONAL SOLUTION TOWARDS
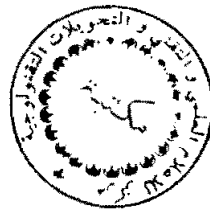# DISTRIBUTED INFORMATION ADAPTABILITY
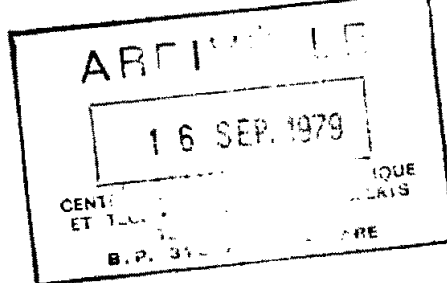

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URANUS

A relational solution towards distributed information adaptability

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Abstract

A relational system, URANUS, is presented, that permits extensions of applications realized with high level data-base systems through tele-communication networks.

We emphasize on new services given by relational concepts to the development and evolution of existing applications, showing how the limitations inherent to actual software are easily solved by immersion in a larger distributed relational system, permitting :

- structural adaptability, by

          . variable structures on given data definitions,
          . repertoire extensions by relational data appendage,
          . multiple data-base cooperation,

- semantic adaptability, by

          dynamic logical constraints definition, in order to
          express easily global or application-devoted consistancy
          rules,

- distributed data-bases cooperation over heterogeneous networks and particularly optimization in query processing.
An algorithm called DDPAGE is thus described.