

University of Something The Graduate School Some Department

My Thesis Title

This is my subtitle

PhD Thesis

ALBERT EINSTEIN

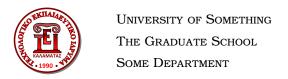


Supervisor: George Washington

Professor



Aesop



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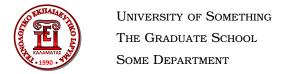
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George Washington Professor A Professor B

Professor Professor Professor

Albert Einstein



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Copyright statement
Another statement
Some Statement
And another one
(Signature)

A peer-to-peer system is a set of autonomous computing nodes (the peers) which cooperate in order to exchange data. The peers in the peer-to-peer systems that are widely used today, rely on simple keyword selection in order to search for data. The need for richer facilities in exchanging data, as well as, the evolution of the Semantic Web, led to the evolution of the schema-based peer-to-peer systems. In those systems every node uses a schema to organize the local data. So there are two ways in order for data search to be feasible. The first but not so flexible way implies that every node uses the same schema. The second way gives every node the flexibility to choose a schema according with its needs, but on the same time requires the existence of mapping rules in order for queries to be replied. This way though, doesn't offer automatic creation and dynamic renewal of the mapping rules which would be essential for peer-to-peer systems.

This diploma thesis aims to the development of a schema-based peer-to-peer system that allows a certain flexibility for schema selection and on the same time enables query transformation without the use of mapping rules. The peers use RDF schemas that are subsets (views) of a big common schema called global schema.

Keywords

Peer-to-peer, Schema-based peer-to-peer, Semantic Web, RDF/S, RQL, Jxta

to my parents

I would like to thank ...

New York, May 2020

Albert Einstein

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	B.1	NOR gate.	
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C.1	My table	

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Preface goes here ...

This is my Introduction ... [1]

Part A

Contents

2.1	section1	
	2.1.1 sub-section 1	
2.2	section 2	

2.1 section1

2.1.1 sub-section 1

2.2 section 2

his is another chapter ...

ALGORITHM 2.1: How to write algorithms

```
Data: this text

Result: how to write algorithm with LATEX2e initialization while not at end of this document do read current if understand then | go to next section current section becomes this one else | go back to the beginning of current section end end
```

ALGORITHM 2.2: An algorithm

if if condition then
 | something if
else if elseif condition then
 | something elseif
else
 | something else
end

blah blah

П

Part B

Contents

3.1	section 3.1	
	3.1.1 sub-section 3.1.1	
3.2	section 3.2	

- 3.1 section 3.1
- 3.1.1 sub-section 3.1.1
- 3.2 section 3.2

his is another chapter ...

Ш

Part C

his is another chapter ...

Contents

5.1	section 5.1
	5.1.1 sub-section 5.1.1
5.2	section 5.2

- 5.1 section 5.1
- 5.1.1 sub-section 5.1.1
- **5.2** section **5.2**

his is another chapter ...

Appendices

A.1 First Section

...

```
\begin{figure}[!ht]
    \centering
    \includegraphics{figures/2.png}
    \caption{NOR gate.}
    \label{figureB.1}
\end{figure}
```

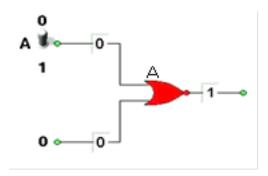


Figure B.1: NOR gate.

Table C.1: My table.

A	В
a11	a12
a21	a22

\index{xerox} \index{babel} \index{anna} \index{babylon}



Illustration E.1: frog

Algorithms are typeset using the algorithm2e package.

Code for floating algorithms:

```
\begin{algorithm}[tb]
  \caption{A floating algorithm}
  \begin{algorithm2e}[H]
    \uIf{if condition}{
        something if \;
        solved \;
    }
    \uElseIf{elseif condition}{
        something elseif \;
    }
    \Else{
        something else \;
    }
  \end{algorithm2e}
\end{algorithm}
```

ALGORITHM F.1: A floating algorithm

For inline algorithms use the "H" option for both algorithm and algorithm2e environments:

```
\begin{algorithm}[H]
  \caption{An "inline" algorithm}
  \begin{algorithm2e}[H]
    \uIf{if condition}{
        something if \;
        solved \;
    }
    \uElseIf{elseif condition}{
        something elseif \;
    }
    \Else{
        something else \;
    }
    \end{algorithm2e}
\end{algorithm}
```

ALGORITHM F.2: An "inline" algorithm

(and the paragraph continues here ...)

Of course one might prefer a plain inline presentation:

```
\begin{algorithm2e}[H]
    \uIf{if condition}{
         something if \;
         solved \;
    }
    \uElseIf{elseif condition}{
         something elseif \;
    }
    \Else{
         something else \;
    }
\end{algorithm2e}
Text starts here ...
if if condition then
   something if;
   solved;
else if elseif condition then
   something elseif;
else
   something else;
end
... and continues here.
```

[1] S. R. Nassif, "Design for variability in DSM technologies," in *Proc. IEEE 1st Int. Symp. Quality Electron. Des. (ISQED)*, San Jose, CA, USA, Mar. 2000, pp. 451–454.

BPF

Band Pass Filter

term description

female girl male boy

anna, 43	babylon, 43
babel, 43	xerox, 43





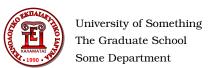
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