Lisp Machines and the Analysis of Their High-Level Language Computer Architecture

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April 2016

Overview

Early history of Lisp

- Lambda Calculus introduced in 1930s by Alonzo Church
- Fortran in 1957
- No programming languages optimized for artificial intelligence
- Lisp designed in 1958 by John McCarthy
- Lisp code implemented on IBM 170 months after

Lisp machines

- Lisp machines released in mid-1970s, became popular in 1980s
- Manufactured by Symbolics, Lisp Machines, Inc., Xerox, TI
- Offered GUIs, advanced programmability, flexibility
- Noncompetitive hardware
- Eventually became outperformed by general-purpose computers
- Vendors went bankrupt in 1990s

Paragraphs of Text

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Blocks of Highlighted Text

Block 1

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Block 2

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Block 3

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Multiple Columns

Heading

1. Statement
2. Explanation
3. Example

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Table

Treatments	Response 1	Response 2
Treatment 1	0.0003262	0.562
Treatment 2	0.0015681	0.910
Treatment 3	0.0009271	0.296

Table: Table caption

Theorem

Theorem (Mass–energy equivalence)

$E = mc^2$

Verbatim

Example (Theorem Slide Code)

```
\begin{frame}
\frametitle{Theorem}
\begin{theorem}[Mass--energy equivalence]
$E = mc^2$
\end{theorem}
\end{frame}
```

Figure

Uncomment the code on this slide to include your own image from the same directory as the template .TeX file.

Citation

An example of the `\cite` command to cite within the presentation:

This statement requires citation [Smith, 2012].

References

John Smith (2012)

Title of the publication

Journal Name 12(3), 45 – 678.

The End