

This document refers to a box of technical reports in the Computer History Museum's collection, described under catalog number 102748584.

The following technical reports in this box have accompanying descriptions:

Viewdata and training: what, where and how much?

"This paper outlines briefly what Viewdata is, how it works, and what it costs. It then discusses the education uses and limitations of Viewdata."

Implications of window management for computer-based information

"This is the final report of a Computer-Based Course Development research project known as the Interactive Video Communication Network."

Personal computer as an appliance Problem I: integrating training and documentation

Role of graphics in computer assisted learning

"This paper traces the evolution of graphics in a wide range of computer assisted learning applications. Different types of graphics terminals are reviewed against the desirable requirements of a student learning terminal."

Basic concepts in knowledge-based systems

"This paper provides a brief overview of the role of knowledge-based systems in educational environments and presents the basic concepts underlying these systems. Advice Language/X, a knowledge-based system, is looked at in detail."

Design of a rule-based CAI tutorial

"This section presents the design of a CAI course employing a rule-based tutorial strategy.

NOTE: This is only a conceptual design rather than a programming blueprint -- it has not yet been tested."

Logic and recursion: the PROLOG twist

"This paper illustrates recursion across 4 languages: BASIC, Pascal, LISP, and micro-PROLOG. It describes a traditional programming problem (Computing the factorial of a number) and compares how this problem is dealt with in each language."

CBI pilot evaluations: a prototype study

"Purpose is to describe evaluation strategies that can be used in the pilot evaluation of CBI courses. Procedures are based on a prototype study that was part of an ongoing effort to develop a standard set of guidelines for CBI pilot evaluations."

User preference re: CBI menu choice mechanisms

“Two studies were carried out to investigate users' preferences regarding the use of menu pointing mechanisms.”

Corporate experience in evaluating interactive video information system courses

“Evaluation studies were conducted when IVIS was introduced to teach Digital's field service engineers how to operate and repair Company products. As a result of these studies, Digital is planning on using IVIS for 75% of its field service training.”

Architecture for local area network servers

“An overview of a server architecture for local area networks is provided, with emphasis on the communications mechanisms that exist at various levels of the system.”

Software that grows with the user: user descriptive document

“This document attempts to describe the proposed users of the "system that grows with the user", the focus of the project being to develop a well-engineered human interface.”

Design guidelines for user/software interfaces

“This paper lists some guidelines for software-human interface design and summaries of the experimental evidence which substantiates these guidelines.”

Online help experiment

“This experiment proved that having easily available, tutorial help with concrete examples, improved the performance and satisfaction of novice computer users significantly.”

Architecture of an adaptive user/software interface

“Specific features of the user interface to a "user-friendly" computer system are described in detail.”