

This document refers to a box of technical reports in the Computer History Museum's collection, described under catalog number 102753931.

The following technical reports in this box have accompanying descriptions:

Static analysis tools at DEC final study report existing facilities and capabilities evaluation of existing capabilities and needs

"Scratches surface of the topic of static analysis and its potential contribution to DEC. Goal was to make a useful recommendation to DEC concerning static analysis tool development."

BSA role at Digital 1983

"This is a resource to be used by BSA's, managers involved in hiring/managing BSA's, and by others interested in the BSA role. The goal of this paper is the better understanding and use of the BSA role in Digital today."

File management with interactive computers

"This report compares the ease of use of four different computer filing systems. The comparison was undertaken to determine if the VMS filing system could be significantly improved through the addition of key word filing."

Measuring users' subjective reactions to software products

"2 sections: (1) Describes methodology for the development of an instrument appropriate for collecting detailed user evaluations of software products. (2) System end-user and system designer evaluations pertaining to the EDT text editor were compared."

Electromagnetic radiation from a system of interconnected computer equipment in the presence of a ground plane

"The problem of electromagnetic radiation and scattering from a perfectly conducting system of interconnected computer equipment is considered. The presence of an infinite ground plane is incorporated into the formulation."

Floating point basics and techniques

"Contains a description of those aspects of floating point arithmetic that play a crucial role in the quality of mathematical software."

Argument reduction for trigonometric functions

"Presents algorithms for the accurate reduction of large arguments for trigonometric functions."

Performance of the VAX-11 translation buffer: simulation and measurement

"A virtual address translation buffer is a hardware cache of recently used virtual-to-physical address mappings. This paper presents the results of a set of measurements and simulations of translation buffer performance in the VAX-11/780."

New approach to floating point

"Functional specification for a new design for floating point."

The use of logging data in the design of a new text editor

“This case study examines how one human factors technique, the use of logging data, was used throughout the design of a new text editor which is measurably easy to learn and use.”

PASCAL product quality study

“This report presents key findings of the product quality audit of VAX PASCAL.”

Videotex working guide

“This working guide was created to define and position the technology, discuss the applications and markets as we see them, and explain Digital's position and commitment to Videotex.”