
HEWLETT-PACKARD JOURNAL INDEX

Volume 45 January 1994 through December 1994

Part 1: Chronological Index

February 1994

High-Quality Color Inkjet Office Printers, *Douglas R. Watson and Hatem E. Mostafa*

Laser-Comparable Inkjet Text Printing, *Jaime H. Bobórquez, Brian P. Canfield, Kenneth J. Courian, Frank Drogo, Corrina A.E. Hall, Clayton L. Holstun, Aneesa R. Scandalis, and Michele E. Shepard*

An Inside View of the Drop Generation Process

Modifying Office Papers to Improve Inkjet Print Quality

High-Quality Inkjet Color Graphics Performance on Plain Paper, *Catherine B. Hunt, Ronald A. Askeland, Leonard Slevin, and Keshava A. Prasad*

Polyester Media Development for Inkjet Printers, *Daniel L. Briley*

Inkjet Printer Print Quality Enhancement Techniques, *Corinna A.E. Hall, Aneesa R. Scandalis, Damon W. Broder, Shelley I. Moore, Reza Movaghar, W. Wistar Rboads, and William H. Schwiebert*

The Third-Generation HP Thermal InkJet Printhead, *J. Stephen Aden, Jaime H. Bobórquez, Douglas M. Collins, M. Douglas Crook, André García, and Ulrich E. Hess*

Development of the HP DeskJet 1200C Print Cartridge Platform, *the Platform Development Team*

Print Cartridges for a Large-Format Color Inkjet Drafting Plotter

Environmentally Friendly Packaging

HP DeskJet 1200C Printer Architecture, *Kevin M. Bockman, Anton Tabar, Erol Erturk, Robert R. Giles, and William H. Schwiebert*

CAD System Organization

Product Design Effect on Environmental Responsibility and Distribution Costs

A New Product Development Model

Print Cartridge Fixturing and Maintenance in the HP DeskJet 1200C Printer, *Michael T. Dangelo, Reza Movaghar, and Arthur K. Wilson*

Media Path for a Small, Low-Cost, Color Thermal Inkjet Printer, *Damon W. Broder, David C. Burney, Shelley I. Moore, and Stephen B. Witte*

Stepper Motor Simulation Model

Automated Assembly and Testing of HP DeskJet 1200C Print Cartridges, *William S. Colburn, Randell A. Agadoni, Michael M. Johnson, Edward Wiesmeier, III, and Glen Oldenburg*

Connectivity of the HP DeskJet 1200C Printer, *Anthony D. Parkhurst, Ramchandran Padmanabhan, Steven D. Mueller, and Kirt A. Winter*

April 1994

Development of a Multimedia Product for HP Workstations, *Gary P. Rose, Jeffery T. Oesterle, Joseph E. Kasper, and Robert J. Hammond*

HP MPower: A Collaborative Multimedia Environment, *William R. Yoder*

X Stations in HP MPower

The HP Instant Ignition Program

Diagnosing and Reporting Problems in the Multimedia Environment

A Graphical User Interface for a Multimedia Environment, *Charles V. Fernandez*

HP SharedX: A Tool for Real-Time Collaboration, *Daniel Garfinkel, Bruce C. Welti, and Thomas W. Yip*

X Window System Client/Server Architecture

Graphics Glossary

Whiteboard: A New Component of HP SharedX

Imaging Services in a Multimedia Environment, *Andrew Munro and Ahmad H. Shekarabi*

HP Image Library Scaling Functions

A Printing Solution for a Multimedia Environment, *John Mandler*

Faxing Documents in HP MPower, *Francis P. Sung and Mark A. Johnson*

Audio Support in HP MPower, *Ellen N. Brandt, Thomas G. Fincher, and Monish S. Sbab*

Overview of A-law and μ -law Data Formats

Video Support in a Multimedia Environment, *Craig S. Richard*

Mail Facilities in a Multimedia Environment, *Robert B. Williams, Harry K. Phinney, and Kenneth L. Steege*

MIME Header Fields

A Fast and Intuitive Online Help System, *Michael R. Wilson, Lori A. Cook, and Steven P. Hiebert*

WYSIWYG Printing in an X Application

Developing Online Application Help, *Dex Smith*

June 1994

Corporate Business Servers: An Alternative to Mainframes for Business Computing, *Thomas B. Alexander, Kenneth G. Robertson, Dean T. Lindsay, Donald L. Rogers, John R. Obermeyer, John R. Keller, Keith Y. Oka, and Marlin M. Jones, II*

Package Design Using 3D Solid Modeling

PA-RISC Symmetric Multiprocessing in Midrange Servers, *Kirk M. Bresniker*

SoftBench Message Connector: Customizing Software Development Tool Interactions, *Joseph J. Courant*

Six-Sigma Software Using Cleanroom Software Engineering Techniques, *Grant E. Head*

Legal Primitive Evaluation

Fuzzy Family Setup Assignment and Machine Balancing, *Jan Krucky*

The Greedy Board Family Assignment Heuristic

August 1994

An Advanced Scientific Graphing Calculator, *Diana K. Byrne, Charles M. Patton, David Arnett, Ted W. Beers, and Paul J. McClellan*

User Versions of Interface Tools

HP-PAC: A New Chassis and Housing Concept for Electronic Equipment, *Johannes Mahn, Jürgen Häberle, Siegfried Kopp, and Tim Schwegler*

High-Speed Digital Transmitter Characterization Using Eye Diagram Analysis, *Christopher M. Miller*

Thermal Management in Supercritical Fluid Chromatography, *Connie Natban and Barbara A. Hackbarth*

What is SFC?

Linear Array Transducers with Improved Image Quality for Vascular Ultrasonic Imaging, *Matthew G. Mooney and Martha Grewe Wilson*

Structured Analysis and Design in the Redesign of a Terminal and Serial Printer Driver, *Catherine L. Kilcrease*

Data-Driven Test Systems, *Adele S. Landis*

October 1994

Customer-Driven Development of a New High-Performance Data Acquisition System, *Von C. Campbell*

A Compact and Flexible Signal Conditioning System for Data Acquisition, *John M. da Cunha*

High-Throughput Amplifier and Analog-to-Digital Converter, *Ronald J. Riedel*

Binary Ranges Speed Processing

On-the-Fly Engineering Units Conversion, *Christopher P.J. Kelly*

Built-In Self-Test and Calibration for a Scanning Analog-to-Digital Converter, *Gerald I. Raak and Christopher P.J. Kelly*

A Hierarchy of Calibration Commands

Manufacturing Test Optimization for VXI-Based Scanning Analog-to-Digital Converters, *Bertram S. Kols and Rodney K. Village*

Design Leverage and Partnering in the Design of a Pressure Scanning Analog-to-Digital Converter, *Richard E. Warren and Conrad R. Proft*

Integrated Pin Electronics for Automatic Test Equipment, *James W. Grace, David M. DiPietro, Akito Kishida, and Kenji Kinsbo*

CMOS Programmable Delay Vernier, *Masaharu Goto, James O. Barnes, and Ronnie E. Owens*

Theoretical Approach to CMOS Inverter Jitter

Real-Time Digital Signal Processing in a Mixed-Signal LSI Test System, *Keita Gunji*

Vector Error Testing by Automatic Test Equipment, *Koji Karube*

High-Frequency Impedance Analyzer, *Takanori Yonekura*

Virtual Remote: The Centralized Expert, *Hamish Butler*

Frame Relay Conformance Testing, *Martin Dubuc*

Glossary

The FDDI Ring Manager for the HP Network Advisor Protocol Analyzer, *Sunil Bhat, Bob Kroboth, and Anne L. Driesbach*

FDDI Topology Mapping, *Sunil Bhat*

Automation of Electrical Overstress Characterization for Semiconductor Devices, *Carlos H. Diaz*

December 1994

Fast DDS-2 Digital Audio Tape Drive, *Damon R. Ujvarosy*

DDS-2 Tape Autoloader: High-Capacity Data Storage in a 5¼-Inch Form Factor, *Steven A. Dimond*

Autoloader Control Electronics

Autoloader Firmware Design

Network Backup with the HP C1553A DDS Autoloader

Automatic State Table Generation, *Mark J. Simms*

Using State Machines as a Design and Coding Tool, *Mark J. Simms*

An Event-Based, Retargetable Debugger, *Arun K. Iyengar, Thaddeus S. Grzesik, Valerie J. Ho-Gibson, Tracy A. Hoover, and John R. Vasta*

Compiler Optimizations and Debugging

A Short Primer on Debugger Internals

Wavelet Analysis: Theory and Applications, *Daniel T.L. Lee and Akio Yamamoto*

Approaches to Verifying Operational Test Release Vectors, *Joy Xiao Han*

Overview of the Test Access Port

Estimating the Value of Inspections and Early Testing for Software Projects, *Louis A. Franz and Jonathan C. Shih*

Clock Design and Measurement Issues in Pentium™ Systems, *Michael K. Williams and Andreas Pfaff*

Tolerance Mechanisms in Clock Distribution Networks

Enterprise Modeling and Simulation: Complex Dynamic Behavior of a Simple Model of Manufacturing, *M. Shabid Mujtaba*

Glossary of Terms and Abbreviations

Enterprise Modeling and Simulation Applications in Reengineering

Enterprise Modeling and Simulation Research at HP Laboratories

The Simple Model: Sponsor's Perspective

Appendix I: Mathematics of Production and Material Planning for the Simple Model

Appendix II: Weekly Event Sequence

Appendix III: Details of Part Commonality Experiments

Appendix IV: Details of Explanations for Experiments 0 and 1a