Features

6 Classifying Software for Reusability
Ruben Prieto-Diaz and Peter Freeman
To reuse a software component, you first have to find it. The faceted scheme described here is a partial solution to this classification and retrieval problem.

17 How Japan's Recently Amended Copyright Law Affects Software
Atsuko Uehi Tanji
Japan rejected a proposal to adopt a special software protection law and instead modified its copyright law to include software. This change may affect US firms doing business there.

22 Interprocess Communication in Charlotte
Yeshayahu Arzgy, Hung-Yang Chang, and Raphael Finkel
The unique system provides powerful interprocess communication that uses duplex links, does not buffer messages in the kernel, and does not block on communication requests.

29 Visual Languages: A Tutorial and Survey
Shi-Kuo Chang
Research into visual languages is varied, and growing in popularity. The concept of generalized icons is a framework for the design of the next generation of visual languages.

40 Life Cycle Analysis of an Ada Project
Jerry Baskette
How does Ada affect cost? A cost-prediction model developed during this project is compared with six popular models to reveal Ada's effect on design, coding, and testing.

48 Effect of Modularity on System Evolution
Ragui F. Kamel
Modularity is invaluable, but changes in one module can have a domino effect on others, requiring significant extra compilation. BNR Pascal reduces this extra compilation.

56 An Alternative Simple Language and Environment for PCs
Steven Pemberton
ABC is a simple language for personal computing. Intended as an alternative to Basic, it has grown to be a powerful tool for expert users, too.

Departments

3 Editorial Calendar
4 About the Cover: Roots of Reuse
5 Editor-in-Chief's Message: Reuse Revisited
65 Software Standards: Getting the Most Out of New Tools • Bulletin Board
67 Software Reviews: Double Helix
70 New Product Reviews: MathCAD • PCEdit
82 Product Highlights
Adverter/PRODUCT INDEX, p. 104
88 Soft News: Computer Research Budgets • Turing Award Address • Desktop Publishing Tops at Comdex • Supercomputer Conference Explores Industry Connection • Computer Chess Championships
93 Calendar • Call for Papers
100 Article Referees: 1986 Volunteers
Subscription Form, pp. 104, 104A
Change of Address Form, p. 104A