

Volume 19 1980

Number One

Overview of the capacity planning process for production data processing <i>L. Bronner</i>	4
A capacity planning methodology <i>J. C. Cooper</i>	28
System capacity and performance evaluation <i>D. C. Schiller</i>	46
Modeling considerations for predicting performance of CICS/VS systems <i>P. H. Seaman</i>	68
The role of detailed simulation in capacity planning <i>H. C. Nguyen, A. Ockene, R. Revell, and W. J. Skwish</i>	81
An MVS tuning approach <i>R. M. Schardt</i>	102
A sidestream approach using a small processor as a tool for managing communication systems <i>J. R. Leach and R. D. Campenni</i>	120
Systems management <i>R. A. Bird and C. A. Hofmann</i>	140

Number Two

Logical distributions of application and data <i>C. T. Baker</i>	171
Distributed processing communications software support for operation within an SNA network <i>E. S. Harrison</i>	192
System contention analysis—An alternate approach to system tuning <i>A. Yuval</i>	208
Data base security: requirements, policies, and models <i>C. Wood, E. B. Fernandez, and R. C. Summers</i>	229
The IPS cryptographic programs <i>A. G. Konheim, M. H. Mack, R. K. McNeill, B. Tuckerman, and G. Waldbaum</i>	253

Number Three

Interactive graphics today <i>R. S. Burchi</i>	292
Software architecture for graphical interaction <i>D. L. Weller, E. D. Carlson, G. M. Giddings, F. P. Palermo, R. Williams, and S. N. Zilles</i>	314
Architecture of the IBM 3277 Graphics Attachment <i>D. F. McManigal and D. A. Stevenson</i>	331
Experimental page makeup of text with graphics on a raster printer <i>B. J. Shepherd</i>	345
A high-resolution computer graphics system <i>S. W. Handelman</i>	356
An APL approach to presentation graphics <i>W. H. Niehoff and A. L. Jones</i>	367
A graphic interactive application monitor <i>J. H. Bleher, P. G. Caspers, H. H. Henn, and K. Maerker</i>	382

Number Four

The management of software engineering

Part I: Principles of software engineering <i>H. D. Mills</i>	414
Part II: Software engineering program <i>D. O'Neill</i>	421
Part III: Software design practices <i>R. C. Linger</i>	432
Part IV: Software development practices <i>M. Dyer</i>	451
Part V: Software engineering management practices <i>R. E. Quinnan</i>	466
Application development system: The software architecture of the IBM Health Care Support/DL/I-Patient Care System <i>D. J. Mishelevich and D. Van Slyke</i>	478
A system for constructing linear programming models <i>S. Katz, L. J. Risman, and M. Rodeh</i>	505
The Modular Application Customizing System <i>R. D. Gordon</i>	521
GREENPRINT: A graphic representation of structured programs <i>L. A. Belady, C. J. Evangelisti, and L. R. Power</i>	542