

Author index for papers in Volume 35

Pages are numbered consecutively through the volume: 1-304, January/March; 305-456, May; 457-566, July; and 567-862, September/November.

Afzali, A.
489 see Cohen, M. S.

Afzali, A.
512 see Cohen, M. S.

Ammann, E. M., R. R. Berbec, G. Bozman, M. Faix, G. A. Goldrian, J. A. Pershing, Jr., J. Ruvalo-Chong, and F. Scholz
653 *The Parallel Processing Compute Server*

Aono, M.
45 see Doi, A.

Appino, P. A.
26 see Farrell, E. J.

Arasmith, C.
140 see Arnold, R. F.

Arnold, R. F., P. Halpern, G. R. Hogsett, B. T. Straka, C. Arasmith, and J. McElroy
140 *A numerically intensive computing environment: IBM 3090 and the PS/2 Model 80*

Bala, G. P.
4 *FEMvis: An interactive visualization tool for mechanical analysis*

Barberi, F., R. Bernstein, M. T. Pareschi, and R. Santacroce
78 *Displaying morphological and lithological maps: A numerically intensive computing and visualization application*

Barnett, D. M.
108 see Williams, G. N.

Bello, S. E.
313 see Eichelberger, E. B.

Berbec, R. R.
653 see Ammann, E. M.

Bernaschi, M., E. Marinari, S. Patarnello, and S. Succi
254 *Three-dimensional visualization of many-body system dynamics*

Bernstein, R.
78 see Barberi, F.

Booth, R. C.
573 see Shea, D. G.

Boubez, T. I.
205 see Peskin, R. L.

Bozman, G. P., H. H. Ghannad, and E. D. Weinberger
815 *A trace-driven study of CMS file references*

Bozman, G.
653 see Ammann, E. M.

Briscolini, M. and P. Santangelo
119 *Animation of computer simulations of two-dimensional turbulence and three-dimensional flows*

Brown, D. H.
573 see Shea, D. G.

Bryant, R. M., H.-Y. Chang, and B. S. Rosenburg
617 *Operating system support for parallel programming on RP3*

Canetti, R., L. P. Fertig, S. A. Kravitz, D. Malki, R. Y. Pinter, S. Porat, and A. Teperman
727 *The parallel C (pC) programming language*

Chang, H.-Y.
617 see Bryant, R. M.

Charlebois, M. R.
382 see Turgeon, P. R.

Ching, W.-M. and D. Ju
767 *Execution of automatically parallelized APL programs on RP3*

Christidis, Z. D.
573 see Shea, D. G.

Chu, J. L., H. R. Torabi, and F. J. Towler
321 *A 128Kb CMOS static random-access memory*

Cohen, M. S. and K. S. Pennington
466 *Making negatives and plates for printing by electroerosion: I. Physical principles*

Cohen, M. S., A. Afzali, E. E. Simonyi, M. Desai, and K. S. Pennington
489 *Making negatives and plates for printing by electroerosion: II. Larger-scale fabrication and testing*

Cohen, M. S., A. Afzali, E. E. Simonyi, and K. S. Pennington
512 *Making negatives and plates for printing by electroerosion: III. Use of the direct negative and direct plate*

- Curran, B. W.** and M. H. Walz
357 *IBM Enterprise System/9000 Type 9121 system controller and memory subsystem design*
- Daudenarde, J.-J.**
681 see Lorie, R. A.
- DeMaris, D. L.**
238 *Visualization in a VLSI design automation system*
- Desai, M.**
489 see Cohen, M. S.
- Dickinson, R. R.**
59 *Interactive analysis of the topology of 4D vector fields*
- Doi, A., M. Aono, N. Urano, and K. Sugimoto**
45 *Data visualization using a general-purpose renderer*
- Eichelberger, E. B.** and S. E. Bello
313 *Differential current switch—High performance at low power*
- Faix, M.**
653 see Ammann, E. M.
- Fantini, M.**
88 see Turtur, A.
- Farrell, E. J., P. A. Appino, D. P. Foty, and T. D. Linton, Jr.**
26 *Visual interpretation of multidimensional computations and transistor design*
- Fertig, L. P.**
727 see Canetti, R.
- Flatt, H. P.**
721 *Further results using the overhead model for parallel systems*
- Foty, D. P.**
26 see Farrell, E. J.
- Franaszek, P. A., C. J. Georgiou, and A. N. Tantawi**
603 *Hierarchically interconnected multiprocessors*
- Franaszek, P. A.**
288 see Heidelberg, P.
- Froncioni, A. M.**
205 see Peskin, R. L.
- Gani, V. L., M. C. Graf, R. F. Rizzolo, and W. F. Washburn**
342 *IBM Enterprise System/9000 Type 9121 Model 320 air-cooled processor technology*
- Georgiou, C. J.**
603 see Franaszek, P. A.
- Ghannad, H. H.**
815 see Bozman, G. P.
- Giampapa, M. E.**
573 see Shea, D. G.
- Goettsche, C.**
184 see Treinish, L. A.
- Goldrian, G. A.**
653 see Ammann, E. M.
- Graf, M. C.**
342 see Gani, V. L.
- Grimaudo, A.**
167 see Piccolo, F.
- Guarda, R.**
88 see Turtur, A.
- Halpern, P.**
140 see Arnold, R. F.
- Hajek, S. F.**
307 *The IBM Enterprise System/9000 Type 9121 air-cooled processor*
- Heidelberg, P.** and P. A. Franaszek
288 *Traffic studies of unbuffered Delta networks*
- Hogsett, G. R.**
140 see Arnold, R. F.
- Hummel, S. F.** and E. Schonberg
743 *Low-overhead scheduling of nested parallelism*
- Imperato, M. A.**
88 see Turtur, A.
- Indyk, R. F.**
330 see Knickerbocker, J. U.
- Irvin, D. R.**
805 *Monitoring the performance of commercial T1-rate transmission service*
- Irwin, G. B.**
573 see Shea, D. G.
- Johnson, T. A.** and D. J. Zukowski
707 *Waveform-relaxation-based circuit simulation on the Victor V256 parallel processor*
- Ju, D.**
767 see Ching, W.-M.
- Kimelman, D. N.** and T. A. Ngo
635 *The RP3 program visualization environment*
- Knickerbocker, J. U., G. B. Leung, W. R. Miller, S. P. Young, S. A. Sands, and R. F. Indyk**
330 *IBM System/390 air-cooled alumina thermal conduction module*
- Koyamada, K.** and T. Nishio
12 *Volume visualization of 3D finite element method results*
- Kravitz, S. A.**
727 see Canetti, R.
- Leung, G. B.**
330 see Knickerbocker, J. U.
- Linton, T. D., Jr.**
26 see Farrell, E. J.
- Loiodice, C.**
167 see Piccolo, F.
- Lorie, R. A., J.-J. Daudenarde, J. W. Stamos, and H. C. Young**
681 *Exploring database parallelism in a message-passing multiprocessor*
- Malki, D.**
727 see Canetti, R.
- Mandelbrot, B. B.**
535 see Musgrave, F. K.
- Marinari, E.**
254 see Bernaschi, M.
- McElroy, J.**
140 see Arnold, R. F.
- Miller, W. R.**
330 see Knickerbocker, J. U.
- Moini, S.**
156 *Application of visualization tools in solid mechanics*
- Moriwaki, A.**
591 see Shimizu, S.
- Murakami, T. T.**
573 see Shea, D. G.
- Musgrave, F. K.** and B. B. Mandelbrot
535 *The art of fractal landscapes*

- Naik, V. K.**
573 see Shea, D. G.
- Nakada, T.**
591 see Shimizu, S.
- Nelson, E. L.**
108 see Williams, G. N.
- Ngo, T. A.**
635 see Kimelman, D. N.
- Nishio, T.**
12 see Koyamada, K.
- Ohara, M.**
591 see Shimizu, S.
- Oba, N.**
591 see Shimizu, S.
- Paolini, G. V. and P. Santangelo**
231 *An interactive graphic tool to plot the structure of large sparse matrices*
- Pareschi, M. T.**
78 see Barberi, F.
- Parmley, K.**
108 see Williams, G. N.
- Patarnello, S.**
254 see Bernaschi, M.
- Pennington, K. S.**
458 *Making negatives and plates for printing by electroerosion: Introduction and overview*
- Pennington, K. S.**
466 see Cohen, M. S.
- Pennington, K. S.**
489 see Cohen, M. S.
- Pennington, K. S.**
512 see Cohen, M. S.
- Pershing, J. A., Jr.**
653 see Ammann, E. M.
- Peskin, R. L., S. S. Walther, A. M. Froncioni, and T. I. Boubez**
205 *Interactive Quantitative Visualization*
- Piccolo, F., V. Zecca, A. Grimaudo, and C. Loiodice**
167 *Graphic workstations and supercomputers: An integrated environment for simulation of fluid dynamics problems*
- Pickover, C. A.**
227 *Picturing randomness on a graphics supercomputer*
- Pinter, R. Y.**
727 see Canetti, R.
- Porat, S.**
727 see Canetti, R.
- Prampolini, F.**
88 see Turtur, A.
- Reuter, R., U. Scharffenberger, and J. Schüle**
697 *Multiplication of a symmetric banded matrix by a vector on a vector multiprocessor computer*
- Rheingans, P.**
97 see Young, F. W.
- Rizzolo, R. F.**
342 see Gani, V. L.
- Rosenburg, B. S.**
617 see Bryant, R. M.
- Ruvolo-Chong, J.**
653 see Ammann, E. M.
- Sands, S. A.**
330 see Knickerbocker, J. U.
- Santacroce, R.**
78 see Barberi, F.
- Santangelo, P.**
119 see Briscolini, M.
- Santangelo, P.**
231 see Paolini, G. V.
- Sarkar, V.**
779 *Automatic partitioning of a program dependence graph into parallel tasks*
- Sarma, S.**
390 *Enhanced self-test techniques for VLSI systems applied to the IBM Enterprise System/9000 Type 9121 processor*
- Scarborough, L. J., R. G. Scarborough, and S. W. White**
667 *Clustering IBM Enterprise System/3090 computers for parallel execution of FORTRAN programs*
- Scarborough, R. G.**
667 see Scarborough, L. J.
- Scharffenberger, U.**
697 see Reuter, R.
- Schlig, E. S.**
283 *A 3072 × 32-stage TDI imaging device*
- Scholz, F.**
653 see Ammann, E. M.
- Schonberg, E.**
743 see Hummel, S. F.
- Schüle, J.**
697 see Reuter, R.
- Shea, D. G., W. W. Wilcke, R. C. Booth, D. H. Brown, Z. D. Christidis, M. E. Giampapa, G. B. Irwin, T. T. Murakami, V. K. Naik, F. T. Tong, P. R. Varker, and D. J. Zukowski**
573 *The IBM Victor V256 partitionable multiprocessor*
- Shimizu, S., N. Oba, T. Nakada, M. Ohara, and A. Moriwaki**
591 *Design choices for the TOP-1 multiprocessor workstation*
- Simonyi, E. E.**
489 see Cohen, M. S.
- Simonyi, E. E.**
512 see Cohen, M. S.
- Slegel, T. J. and R. J. Veracca**
367 *Design and performance of the IBM Enterprise System/9000 Type 9121 Vector Facility*
- Stamos, J. W.**
681 see Lorie, R. A.
- Steel, A. R.**
382 see Turgeon, P. R.
- Stoll, E. P.**
67 *Picture processing and three-dimensional visualization of data from scanning tunneling and atomic force microscopy*
- Straka, B. T.**
140 see Arnold, R. F.
- Succi, S.**
254 see Bernaschi, M.
- Sugimoto, K.**
45 see Doi, A.
- Szelényi, F. and V. Zecca**
270 *Visualizing parallel execution of FORTRAN programs*
- Tantawi, A. N.**
603 see Franaszek, P. A.

- Teperman, A.**
727 see Canetti, R.
- Tesauro, G.**
244 see Wejchert, J.
- Tong, F. T.**
573 see Shea, D. G.
- Torabi, H. R.**
321 see Chu, J. L.
- Towler, F. J.**
321 see Chu, J. L.
- Treinish, L. A. and C. Goettsche**
184 *Correlative visualization techniques for multidimensional data*
- Turgeon, P. R., A. R. Steel, and M. R. Charlebois**
382 *Two approaches to array fault tolerance in the IBM Enterprise System/9000 Type 9121 processor*
- Turtur, A., F. Prampolini, M. Fantini, R. Guarda, and M. A. Imperato**
88 *IDB: An image database system*
- Urano, N.**
45 see Doi, A.
- Varker, P. R.**
573 see Shea, D. G.
- Veracca, R. J.**
367 see Slegel, T. J.
- Walther, S. S.**
205 see Peskin, R. L.
- Walz, M. H.**
357 see Curran, B. W.
- Washburn, W. F.**
342 see Gani, V. L.
- Weinberger, A.**
352 *An adder design optimized for DCS logic*
- Weinberger, E. D.**
815 see Bozman, G. P.
- Wejchert, J. and G. Tesauro**
244 *Visualizing processes in neural networks*
- White, S. W.**
667 see Scarborough, L. J.
- Wilcke, W. W.**
573 see Shea, D. G.
- Williams, G. N., E. L. Nelson, D. M. Barnett, and K. Parmley**
108 *Visualization of molecular dynamics via ray-tracing and animation in a vectorized environment*
- Young, F. W. and P. Rheingans**
97 *Visualizing structure in high-dimensional multivariate data*
- Young, H. C.**
681 see Lorie, R. A.
- Young, S. P.**
330 see Knickerbocker, J. U.
- Zecca, V.**
167 see Piccolo, F.
- Zecca, V.**
270 see Szelényi, F.
- Zukowski, D. J.**
707 see Johnson, T. A.
- Zukowski, D. J.**
573 see Shea, D. G.