

AUTHOR INDEX

- Abel, Irving, Perry, Boyd, III, and Murrow, Harold N.** Two synthesis techniques applied to flutter suppression on a flight research wing. (JGC) 340
- Abou Ellail, M.M.M., Gosman, A.D., Lockwood, F.C., and Megahed, I.E.A.** Description and validation of a three-dimensional procedure for combustion chamber flows. (JE) 71; (PS, V. 58) 163
- Acharya, M., Kussoy, M.I., and Horstman, C.C.** Reynolds number and pressure gradient effects on compressible turbulent boundary layers. (AIAA J, SYN) 1217
- Adamczyk, J.J. and Goldstein, M.E.** Unsteady flow in a supersonic cascade with subsonic leading-edge locus. (AIAA J) 1248
- Adams, G.L.** (JGC; see Euler, E.A.)
- Adams, J.C., Jr. and Hodge, B.K.** Extended mixing-length applications to compressible turbulent boundary layers. (AIAA J, SYN) 643
- Adams, Tim G.** Do weak detonation waves exist? (AIAA J) 1035
- Adamson, T.C., Jr.** (AIAA J; see Chan, John S.-K.)
- Adamson, T.C., Jr., Messiter, A.F., and Liou, M.S.** Large amplitude shock-wave motion in two-dimensional, transonic channel flows. (AIAA J) 1240
- Adamson, T.C., Jr., Messiter, A.F., Melnik, R.E., and Grossman, B.** Comment on "Shock penetration and lateral pressure gradient effects on transonic viscous interactions." (AIAA J, TC) 543
- Adimurthy, V. and Joy, K.V.** Extension of region of convergence in orbit determination using function-minimization techniques. (JGC, EN) 445
- Adornato, Rudolph J.** (JE; see Mockovciak, John, Jr.)
- Ahmed, M.** (AIAA J; see Wigeland, R.A.)
- Ahuja, K.K.** (AIAA J, TN; see Dosanjh, D.S.)
- Aiken, Edwin W.** (JGC; see Lebacqz, J. Victor)
- Albert, J.** (AIAA J; see Ballhaus, W.F.)
- Alexander, Stephen G.** (JSR; see Kaplan, Marshall H.)
- Alger, D.L., Manista, E.J., and Thompson, R.W.** A review of the thermoelectronic laser energy converter (TELEC) program at Lewis Research Center. (PS, V. 61) 437
- Allaire, P.E., Lee, C.C., and Gunter, E.J.** Dynamics of short eccentric plain seals with high axial Reynolds number. (JSR) 341
- Almroth, B.O., Stern, P., and Brogan, F.A.** Automatic choice of global shape functions in structural analysis. (AIAA J) 525
- Alshamrani, K.M.M.** Correlations among turbulent shear stress, turbulent kinetic energy, and axial turbulence intensity. (AIAA J, TN) 859
- Altman, W.P.** (AIAA J, TN; see Glowacki, W.J.)
- Alvestad, Reidar** (JH; see Brown, Samuel H.)
- Anderson, Dale** (AIAA J, SYN; see Shankar, Vijaya) --(AIAA J, see Daywitt, James)
- Anderson, E. Clay** (PS, V. 59; see Moss, James N.)
- Anderson, G.L.** Natural frequencies of a cantilever with an asymmetrically attached tip mass. (AIAA J, TN) 281
- Anderson, Jay H.** (PS, V. 61; see Boody, Frederick P.) --(PS, V. 61; see Prelas, M.A.)
- Anderson, Melvin S.** (AIAA J; see Noor, Ahmed K.)
- Ando, Shigenori** Aerodynamics of slender lifting surface in accelerated flight. (AIAA J, TN) 751
- Anglin, Ernie L.** Aerodynamic characteristics of fighter configurations during spin entries and developed spins. (JA) 769
- Antani, D.L. and McMahon, H.M.** Behavior of a subsonic turbulent slot jet in crossflow. (JA, EN) 860
- Antonia, R.A.** (AIAA J, SYN; see Sreenivasan, K.R.)
- Ardema, M.D.** Comments on "Feasibility study of a hybrid airship operating in ground effect." (JA, TC) 126
- Arens, W.E.** Application of CCD technology to produce imagery from radar data. (JA) 21
- Armaly, B.F.** Influence of refractive index on emittance: finite medium. (PS, V. 60) 151
- Aroesty, J. and Berger, S.A.** Reply by authors to A. Wortman. (JH, TC) 88
- Ashley, Holt** Some contributions to aerodynamic theory for vertical-axis wind turbines. (JE) 113
- Askew, G.L.** (JE; see Hewitt, H.C., Jr.)
- Aston, G., Kaufman, H.R., and Wilbur, P.J.** Ion beam divergence characteristics of two-grid accelerator systems. (AIAA J) 516
- Atakan, S.** (PS, V. 58; see Yule, A.J.)
- Atluri, Satya N. and Rhee, H.C.** Traction boundary conditions in hybrid-stress finite-element model. (AIAA J, TN) 529
- Audley, D.R.** (JGC; see Monaco, S.J.)
- Auerbach, I.** Ablation performance of tungsten, copper-infiltrated tungsten, and other systems in arc jets. (PS, V. 59) 274
- Avezard, Léon, Dahan, Claude, Elias, Georges, Lelarge, Annie, Maulard, Jean, and Pérulli, Mariano** Conditional sampling for jet noise sources characterization. (AIAA J, SYN) 1121
- Avidor, Joel M.** (AIAA J, TN; see Tong, Kwok-On)
- Aydelott, J.C.** (JSR; see Blatt, M.H.)
- Aymer de la Chevalerie, Dominique and Leblanc, Roger M.F.** Integral method improvement for computation of transonic shockwave—turbulent boundary layer interactions. (AIAA J, TN) 761
- Back, Lloyd H. and Sarohia, Virendra** Pressure pulsations on a flat plate normal to an underexpanded supersonic jet. (AIAA J, TN) 634
- Bainum, Peter M.** (JGC, EN; see Sellappan, R.)
- Baker, A.J. and Manhardt, P.D.** Numerical prediction of mean and fluctuating velocities for jet-flap flows. (AIAA J) 807
- Baker, R.L. and Kramer, R.F.** Nose-tip shape optimization for minimum transpiration coolant requirements. (PS, V. 59) 404
- Baker, William B., Jr.** Aerodynamic coefficient prediction technique for finned missiles at high incidence. (JSR) 328
- Bakstad, Pal J.** (JH, see Douglass, Robert H., Jr.)
- Balas, M.J.** Observer stabilization of singularly perturbed systems. (JGC, EN) 93
- Ballal, D.R. and Lefebvre, A.H.** Quenching distance and minimum ignition energy in turbulent flowing mixtures. (PS, V. 58) 433
- Ballhaus, W.F.** (JA; see Haney, H.P.) --(AIAA J; see Yu, N.Y.)
- Ballhaus, W.F. and Goorjian, P.M.** Computation of unsteady transonic flows by the indicial method. (AIAA J) 117
- Ballhaus, W.F., Jameson, A., and Albert, J.** Implicit approximate-factorization schemes for steady transonic flow problems. (AIAA J) 573
- Balsa, Thomas F.** (JA; see Gliebe, Philip R.)
- Banerian, Gordon** Status of some current research in jet noise. (AIAA J, SP) 877 --(JA; see Clapper, W.S.) --(JA; see Mani, R.)
- Bannink, E., Hadcock, R., and Forsch, H.** Advanced design composite material aircraft study. (JA) 661
- Barber, T.J.** An investigation of strut-wall intersection losses. (JA) 676
- Bar-Itzhack, Itzhack Y.** Optimal updating of INS using sighting devices. (JGC) 305 --(AIAA J; see Baruch, Menahem)
- Barnes, C.B.** (JSR; see Nast, T.C.)
- Barnette, Daniel W., Bertin, John J., and Batson, James L.** Free-flight rocket's initial trajectory as affected by massive blowby. (JSR) 334
- Barron, Ronald M.** Oscillating airfoils: I. Wedges of arbitrary thickness in supersonic and hypersonic flow. (AIAA J) 1076
- Barron, Ronald M. and Mandl, P.** Oscillating airfoils: Part II. Newtonian flow theory and application to power-law bodies in hypersonic flow. (AIAA J) 1132
- Barton, C. Kearney** (JA; see Mixson, John S.)
- Baruch, Menahem** Optimization procedure to correct stiffness and flexibility matrices using vibration tests. (AIAA J, TN) 1208
- Baruch, Menahem and Bar-Itzhack, Itzhack Y.** Optimal weighted orthogonalization of measured modes. (AIAA J) 346
- Batson, James L.** (JSR; see Barnette, Daniel W.)
- Battin, Richard H., Croopnick, Steven R., and Lenox, Joan E.** The epoch state navigation filter. (JGC) 359
- Battin, Richard H., Fill, Thomas J., and Shepperd, Stanley W.** A new transformation invariant in the orbital boundary-value problem. (JGC) 50
- Baumeister, Kenneth J. and Rice, Edward J.** Flow visualization in long-neck Helmholtz resonators with grazing flow. (AIAA J) 233
- Beach, S.W.** (JGC; see Weiss, R.)
- Beale, Guy O. and Cook, Gerald** Optimal digital simulation of aircraft via random search techniques. (JGC) 237
- Beam, Richard M. and Warming R.F.** An implicit factored scheme for the compressible Navier-Stokes equations. (AIAA J) 393
- Bechert, Dietrich W., Michel, Ulf, and Pfizenmaier, Eberhard** Experiments on the transmission of sound through jets. (AIAA J, SYN) 873
- Beck, James V.** Comments on "An analytical and experimental study for surface heat flux determination". (JSR, TC) 381
- Beckemeyer, Roy J. and Sawdy, David T.** Boundary conditions for mode-matching analyses of coupled acoustic fields in ducts. (AIAA J) 912
- Beckwith, S.W. and Wang, D.T.** Crack propagation in double-base propellants. (JSR) 355
- Beddini, Robert A.** Reacting turbulent boundary-layer approach to solid propellant erosive burning. (AIAA J) 898
- Belding, John A.** Alternatives to oil and gas through energy management. (JE) 2
- Bellum, John C.** (PS, V. 61; see George, Thomas F.)
- Belsky, F.J.** (JGC; see McAloon, K.J.)
- Ben-Dor, G. and Glass, I.I.** Nonstationary oblique shock-wave reflections: actual isopycnics and numerical experiments. (AIAA J) 1146

- Bennett, M.D.** Approximate velocity of bodies powered by cold-gas thrusters with small propellant mass. (JSR, EN) 187
- Bennett, Robert M., Farmer, Moses G., Mohr, Richard L., and Hall, W. Earl, Jr.** Wind-tunnel technique for determining stability derivatives from cable-mounted models. (JA) 304
- Bera, Rajendra K.** Remarks on thin airfoil theory. (JA, ERR) 320
- Berger, S.A.** (JH; see Aroesty, J.)
- Berkowitz, David A.** (JE; see Ray, Asok)
- Bershafer, D.** (AIAA J, TN; see Blendstrup, G.)
- Bertin, John H.** (JSR; see Barnette, Daniel W.)
- Bertin, John J., Idar, E.S., III, and Goodrich, Winston D.** Effect of surface cooling and roughness on transition for the Shuttle Orbiter. (JSR) 113
- Beverly, W.D., Rubeck, M., Vieth, G.L., and Hurley, P.J.** Applications of thermal energy storage in the paper and pulp industry. (JE) 375
- Bevilacqua, Paul M.** Lifting surface theory for thrust-augmenting ejectors. (AIAA J) 475
- Bhat, W.V.** Experimental investigation of noise reduction from two parallel-flow jets. (AIAA J) 1160
- Bhuttiani, P.K.** (AIAA J, TN; see Dosanjh, D.S.)
- Bilanin, A.J., Teske, M.E., and Hirsh, J.E.** Neutral atmospheric effects on the dissipation of aircraft vortex wakes. (AIAA J) 956
- Bilgen, Ertugrul** (JA, EN; see Paraschivoiu, Ion)
- Billman, Kenneth W.** (PS, V. 61; see Gilbreath, William P.)
- Billman, K.W., Gilbreath, W.P., and Bowen, S.W.** Orbiting mirrors for terrestrial energy supply. (PS, V. 61) 61
- Birch, Stanley F., Paynter, Gerald C., Spalding, D.B., and Tatchell, D.G.** Numerical modeling of three-dimensional flows in turbofan engine exhaust nozzles. (JA) 489
- Biringer, Sedat and Levi, Josef** Calculation of two-dimensional turbulent boundary layers. (AIAA J, TN) 1016
- Birtwell, E.P., Coffin, J.B., Covert, E.E., and Haldeman, C.W.** Reverse Magnus force on a magnetically suspended ogive cylinder at subsonic speeds. (AIAA J) 111
- Bittner, James D. and Howard, Jack B.** Role of aromatics in soot formation. (PS, V. 62) 335
- Black, Philip C. and Chang, Richard K.** Laser-Raman optical multichannel analyzer for transient gas concentration profile and temperature determination. (AIAA J, SYN) 295
- Blackstock, Thomas A.** (PS, V. 59; see Donohoe, John C.)
- Blackwell, Bennie F.** (JE; see Sheldahl, Robert E.)
- Blatt, M.H. and Aydelott, J.C.** Capillary device passive thermal conditioning. (JSR) 236
- Blauer, J.A.** (AIAA J; see Zelazny, S.W.)
- Blazowski, William S. and Maggitti, Lawrence** Future fuels in gas turbine engines. (PS, V. 62) 21
- Blendstrup, G., Bershafer, D., and Langhoff, P.W.** Resonance refractivity studies of sodium vapor for enhanced flow visualization. (AIAA J, TN) 1106
- Bocarsley, Andrew B.** (PS, V. 61; see Wrighton, Mark S.)
- Boggs, D.H.** (JGC, SYN; see Hildebrand, C.E.)
- Boland, J.S., III** (JGC, EN; see Colburn, Bruce K.)
- Bolts, Jeffrey M.** (PS, V. 61; see Wrighton, Mark S.)
- Boni, A.A., Chapman, M., Cook, J.L., and Schneyer, G.P.** Transition to detonation in an unconfined turbulent medium. (PS, V. 58) 379
- Bonniot, J. Claude, Borghi, Roland and Magre, Philippe** Turbulent combustion in a stirred combustor. (PS, V. 58) 331
- Bontoux, Patrick, Massot, Pierre, and Marcellat, Jacques** Turbulent surface flow around a yawed cone. (AIAA J, SYN) 771
- Boody, F.P.** (PS, V. 61; see Prelas, M.A.)
- Boody, Frederick P., Prelas, Mark A., Anderson, Jay H., Nagalingam, Samuel J.S., and Miley, George H.** Progress in nuclear-pumped lasers. (PS, V. 61) 379
- Boraas, S.** Investigation of jet curtains for chemical laser application. (AIAA J) 251
- Hydraulic equivalent of generalized one-dimensional flow. (AIAA J, TN) 609
- Borghi, Roland** (PS, V. 58; see Bonniot, J. Claude)
- Born, G.H.** (JGC, SYN; see Hildebrand, C.E.)
- Bose, Tarit K.** Comparison of rocket nozzle heat transfer calculation methods. (JSR, EN) 253
- Bowen, S.W.** (PS, V. 41; see Billman, K.W.)
- Bower, W.W.** (JA; see Kotansky, D.R.)
- Bowie, Glenn E.** (AIAA J; see Cole, Sharon L.)
- Bowles, Jeffrey V.** (JA; see Conlon, John A.)
- Bowman, Craig T.** Panel discussion: alternative fuels technology. (PS, V. 62) 445
- Bracco, F.V.** Combustion and chemical kinetics problems in internal combustion engines. (PS, V. 62) 160
- (AIAA J; see Gupta, H.C.)
- Bragg, G.M. and Schmidt, W.L.** Determination of optimum arrays of wind energy conservation devices. (JE) 155
- Breakwell, John V.** More about flight-path-angle transitions in optimal airplane climbs. (JGC) 205
- (JGC; see Edwards, John W.)
- Breckenridge, William G. and Treder, Alfred J.** Inflight gyro drift rate calibration on the Viking Orbiters. (JGC) 433
- Bremhorst, K.** (AIAA J, TN; see Platzer, M.F.)
- Bremhorst, K. and Harch, W.H.** The mechanism of jet entrainment. (AIAA J, TN) 1104
- Brennan, P.J., Krolczek, E.J., Jen, H., and McIntosh, R.** Axially grooved heat pipes: 1976. (PS, V. 60) 3
- Brennan, P.J., Suelau, H.J., and McIntosh, R.** Low-temperature phase-change material package. (PS, V. 60) 371
- Britt, E.J.** (PS, V. 61; see Fitzpatrick, G.O.)
- The TELEC - A plasma type of direct energy converter. (PS, V. 61) 421
- Broderick, Anthony J.** Stratospheric effects from aviation. (JA, SP) 643
- Brogan, F.A.** (AIAA J; see Almroth, B.O.)
- Brogna, Salvatore J. and Hawks, Roger J.** Effect of base suction on subsonic drag of bluff bodies. (JA, EN) 443
- Brown, D.B.** (JSR; see Pell, K.M.)
- Brown, Samuel H. and Alvestad, Reidar** Simulation of maneuvering control during underway replenishment. (JH) 109
- Bruckman, F.** (JA; see Wright, B.R.)
- Brull, Maurice A.** (AIAA J; see Fuchs, Moshe B.)
- Bryson, Arthur E., Jr.** (JGC; see Edwards, John W.)
- Kalman filter divergence and aircraft motion estimators. (JGC) 71
- (JGC; see Trankle, Thomas L.)
- Brzustowski, T.A.** Hydrocarbon turbulent diffusion flame in subsonic cross flow. (PS, V. 58) 407
- Buckley, Frank T., Jr., Walston, William H., Jr. and Marks, Colin H.** Fuel savings from truck aerodynamic drag reducers and correlation with wind-tunnel data. (JE) 321
- Burdette, G.W., Lander, H.R. and McCoy, J.R.** High-energy fuels for cruise missiles. (JE) 289
- Burke, James D.** Energy conversion at a lunar polar site. (PS, V. 61) 95
- Burton, Thomas D.** Simple numerical model for calculation of entry vehicle trim response. (JSR, EN) 319
- Busby, Michael R.** (JSR; see McCay, T. Dwayne)
- Bush, Harold G., Mikulas, Martin M., Jr., and Heard, Walter L., Jr.** Some design considerations for large space structures. (AIAA J) 352
- Bush, William B. and Fendell, Francis E.** Analytic modeling of turbulent shear flow with chemical reaction. (PS, V. 58) 3
- Butler, R.I.** (AIAA J, TN; see Duggin, B.W.)
- Calkins, D.E.** Reply by author to M.D. Ardema. (JA, TC) 127
- Campbell, John P., Hassel, James L., Jr., and Thomas, James L.** Ground effects on lift for turbofan powered-lift STOL aircraft. (JA) 78
- Cannaday, Sheridan S.** (PS, V. 60; see Fogdall, Lawrence B.)
- Capellupo, John** (JA, SYN; see Malvern, Donald)
- Cardinal, Paul** (PS, V. 61; see Measures' Raymond M.)
- Carey, Lee and Nixon, Geoffrey** Gas-deployed skirt for rocket motor nozzles. (JSR) 18
- Carmichael, Ralph J.** (JA, SYN; see de Silva, B. M. E.)
- Carney, Bruce** (JE; see Lee, George)
- Carrier, Robert, Magnuson, Allen H., and Swift, M. Robinson** Seakeeping dynamics of a single cushion, peripheral cell-stabilized air cushion vehicle. (JH) 49
- Casler, Richard James, Jr.** Dual-control guidance strategy for homing interceptors taking angle-only measurements. (JGC) 63
- Cassady, Philip E.** (PS, V. 61; see Taussig, Robert T.)
- Cassady, P., Newton, J., and Rose, P.** A new mixing gasdynamic laser. (AIAA J) 305
- Catalano, G.D.** (AIAA J; see Morton, J.B.)
- Caveny, Leonard H.** (AIAA J; see Gany, Alon)
- Cavin, Ralph K., III and Holyoak, J.N.** Estimate of Orbiter static aeroelasticity properties via FLEXSTAB. (JA) 275
- Cebeci, Tuncer** An unsteady laminar boundary layer with separation and reattachment. (AIAA J, TN) 1305
- Cebeci, Tuncer and Chang, K.C.** Calculation of incompressible rough-wall boundary-layer flows. (AIAA J) 730
- Chakrabarty, Sunil Kumar** Integral equation formulation for transonic flow past lifting wings. (AIAA J, TN) 1015
- Chan, John S.-K. and Adamson, T.C., Jr.** Unsteady transonic flows with shock waves in an asymmetric channel. (AIAA J) 377
- Chandra, Ramesh** (AIAA J, SYN; see Raju, B. Basava)
- Chang, K.C.** (AIAA J; see Cebeci, Tuncer)
- Chang, Richard K.** (AIAA J, SYN; see Black, Philip C.)
- Chapman, Gary T.** (AIAA J; see Clarkson, Mark H.)
- Chapman, M.** (PS, V. 58; see Boni, A. A.)
- Charwat, A. F.** Performance of counter- and corotating arrays of Savonius turbines. (JE, TN) 61
- Chatanier, M.** (AIAA J, SYN; see Raffy, P.)
- Chatoorgoon, V. and Stangeby, P. C.** Subsonic gas target 14 MeV neutron generator. (JE, SYN) 129
- Startup and stability of subsonic gas targets. (JE, TN) 254
- Chaussee, Denny S., Stahara, Stephen S., and Spreiter, John R.** Axisymmetric implicit blunt-body computation of solar wind flows past planets. (AIAA J, SYN) 647
- Chen, A. T.** (AIAA J; see Kuo, K. K.)
- Chen, A. W., Tinoco, E. N., and Yoshihara, H.** Transonic computational analysis of F-111 TACT. (JA) 601

- Chen, Ching Jen** Low temperature simulation of subliming boundary-layer flow in Jupiter atmosphere. (AIAA J) 259
- Chen, D. M.** (AIAA J; see Lyman, F. A.)
- Chen, Jay C., Wada, Ben K., and Garba, John A.** Launch vehicle payload interface response. (JSR) 7
- Cheng, Bang-Dar** (JGC; see Powers, William F.)
- Cheng, H. K.** Lifting-line theory of oblique wings. (AIAA J, TN) 1211
- Chernoff, Ralph** Large active retrodirective arrays for solar power satellites. (PS, V. 61) 36
- Cheung, A.** (JE, TN; see Oliver, T. K.)
- Chew, Y. T.** Two-parameter skin-friction formula for adiabatic compressible flow. (AIAA J, TN) 186
- Chien, K.-Y.** (AIAA J, TN; see Glowacki, W. J.)
- Chien, Kuei-Yuan and Glowacki, Walter J.** Accelerating convergence of unstable resonator calculations with a gain medium. (AIAA J, TN) 627
- Chieze, D. J.** (AIAA J; see Schadow, K. C.)
- Chin, Wilson C.** Pseudo-transonic equation with a diffusion term. (AIAA J, TN) 87
- Some singular aspects of three-dimensional transonic flow. (AIAA J, TN) 275
- Supersonic wave drag of planar singularity distributions. (AIAA J) 482
- Nonlinear formulation for low-frequency transonic flow. (AIAA J, TN) 616
- Similar solutions for unsteady transonic flow. (AIAA J, TN) 621
- Algorithm for inviscid flowing using the viscous transonic equation. (AIAA J, TN) 848
- Type-independent solution for mixed compressible flows. (AIAA J, TN) 854
- Chipman, Richard R. and Malone, John B.** Application of optimization technology to wing/store flutter prediction. (JA) 786
- Chopra, Inderjit and Dugundji, John** Nonlinear dynamic response of a wind turbine rotor under gravitational loading. (AIAA J, SYN) 773
- Chou, D.C., Luidens, R.W., and Stockman, N.O.** Prediction of boundary-layer flow separation in V/STOL engine inlets. (JA) 474
- Choudhury, P. Roy and Lobell, M.** Experimental investigation of rough burning in a dump combustor of a small volume. (PS, V. 58) 471
- Chow, W.L.** (AIAA J, TN; see Liu, S.K.)
- (AIAA J, SYN; see Weng, C.H.)
- Chow, W.L., Han, T., and Wu, C.** Hydrodynamic solution for incompressible flow as influenced by gravitation. (AIAA J, TN) 1097
- Chow, W.L. and Liu, S.K.** Reply by authors to M.J. Cohen. (AIAA J, TC) 1312
- Christensen, E.J.** (JGC, SYN; see Hildebrand, C.E.)
- Christiansen, Walter H.** A new concept for solar pumped lasers. (PS, V. 61) 346
- (PS, V. 61; see Yesil, Oktay)
- Chrusicel, G.T.** Three-degree-of-freedom wind tunnel results employing rate gyros. (JSR) 48
- Chua, K. T.** (JH, EN; see Liu, C.Y.)
- Chung, Benjamin T.F. and Yeh, L.T.** Comment on "Radiative ablation of melting solid." (AIAA J, TC) 638
- Churchill, A.V., Delaney, C.L., and Lander, H.R.** Future aviation turbine fuels. (JA) 731
- Cielak, Zygmunt M. and Kinney, Robert B.** Analysis of unsteady viscous flow past an airfoil: Part II - Numerical formulation and results. (AIAA J) 105
- Clapper, W.S.** (JA; see Mani, R.)
- Clapper, W.S., Mani, R., Stringas, E.J., and Banerian, G.** Development of a technique for inflight jet noise simulation-Part I. (JA) 85
- Clarkson, Mark H., Malcolm, Gerald N., and Chapman, Gary T.** A subsonic, high-angle-of-attack flow investigation at several Reynolds numbers. (AIAA J) 53
- Clements, R.M. and Smy, P.R.** Collection of ions by electric probes in combustion MHD plasmas: an overview. (JE) 53
- Coakley, T.J.** (AIAA J, SYN; see Viegas, J.R.)
- Cobb, Kenneth K.** Dynamic design considerations for an impulsed-corrected, laser-guided rocket. (JGC) 293
- Coffin, J.B.** (AIAA J; see Birtwell, E.P.)
- Cohen, H.A.** (JSR; see Masek, T.D.)
- Cohen, M.J.** Comment on "Numerical solutions of the compressible hodograph equation". (AIAA J, TC) 1311
- Colburn, Bruce K. and Boland, J.S., III** Model reference adaptive identifier design and analysis. (JGC, EN) 379
- Cole, Sharon L., Bowie, Glenn E., Kondas, Kevin R., and Hoepfner, David W.** Measurement and effect of residual stresses on turbine components. (AIAA J) 555
- Coleman, Hugh W., Pimenta, Marcos M., and Moffat, Robert J.** Rough-wall turbulent heat transfer with variable velocity, wall temperature, and blowing. (AIAA J) 78
- Collins, Michael A. and Simpson, Roger L.** Flowfield prediction of separating turbulent shear layers. (AIAA J, SYN) 291
- (AIAA J, SYN; see Simpson, R.L.)
- Conard, R.G.** (JSR; see Pell, K.M.)
- Coneybear, J. Frank** The use of lasers for the transmission of power. (PS, V. 61) 279
- Conlon, John A. and Bowles, Jeffrey V.** Powered lift and mechanical flap concepts for civil short-haul aircraft. (JA) 168
- Conner, D. William** (JA; see Jacobson, Ira D.)
- Connor, Joseph G., Jr.** Calculated transient response of an A-6 landing gear door. (JA, SYN) 65
- Cook, Gerald** (JGC; see Beale, Guy O.)
- Cook, J.L.** (PS, V. 58; see Boni, A.A.)
- Cook, T.S. and Preston, J.L., Jr.** Impact behavior of graphite/epoxy simulated fan blades. (JA) 269
- Cooper, L.P., Marek, C.J., and Strehlow, R.A.** Experimental study of reactive turbulent mixing. (PS, V. 58) 449
- Corliss, Lloyd, Greif, Richard K., and Gerdes, Ronald M.** Comparison of ground-based and in-flight simulation of VTOL hover control concepts. (JGC) 217
- Corsiglia, Victor R., Iversen, James D., and Orloff, Kenneth L.** Laser-velocimeter surveys of merging vortices in a wind tunnel. (JA) 762
- Cory, J.S.** Nitinol thermodynamic state surfaces. (JE, SYN) 257
- Cost, Thomas L. and Heard, James M.** Finite-element analysis of coupled thermoviscoelastic structures undergoing sustained periodic vibrations. (AIAA J) 795
- Couch, Robert P.** Detecting abnormal turbine engine deterioration using electrostatic methods. (JA) 692
- Covert, E.E.** (AIAA J; see Birtwell, E.P.)
- Cox, R.L.** (PS, V. 60; see Leach, J.W.)
- Crane, K.C.A.** (AIAA J, TN; see Stalker, R.J.)
- Crane, R.L.** (JA; see Gallagher, J.P.)
- Crimi, Peter** Analysis of structural shock transmission. (JSR) 79
- Crittenden, J.B., Weisshaar, T.A., Johnson, E.H., and Rutkowski, M.J.** Aeroelastic stability characteristics of an oblique-wing aircraft. (JA) 429
- Cronin, Donald L.** Flat spin recovery of a rigid asymmetric spacecraft. (JGC, EN) 281
- Croopnick, Steven R.** (JGC; see Battin, Richard H.)
- Cuffel, R.** (AIAA J, TN; see Parthasarathy, S.P.)
- Curkendall, David W.** Algorithms for isolating worst case systematic data errors. (JGC) 56
- Curran, D.G.T. and Millard, J.M.** Contamination/degradation measurements on operational satellite thermal control surfaces. (PS, V. 60) 263
- Curry, Donald M.** (JSR, TC; see Williams, S.D.)
- Cwynar, David J.** (JSR; see Kaplan, Marshall H.)
- Daffan, Edward B.** (AIAA J, SYN; see Schetz, Joseph A.)
- Dahan, Claude** (AIAA J, SYN; see Avezard, Léon)
- Dahman, K.R.** (JE; see Syred, N.)
- Dalton, Charles** (AIAA J; see Zedan, M. Fouad)
- (JH; see Zedan, M. Fouad)
- (AIAA J, TC; see Zedan, M. Fouad)
- Dandapat, B.S. and Gupta, A.S.** Notes on the flow near a wall and dividing streamline intersection. (AIAA J, TN) 849
- da Rosa, Aldo V.** Universal generator-storer curves. (JE, TN) 381
- Das, Aniruddha** (JGC, EN; see Siegel, Sherman H.)
- Das, Indushekher** (AIAA J; see Mishra, J.N.)
- Dash, R.** Flight effects on jet noise radiated from convecting quadrupoles. (AIAA J, SYN) 875
- Dash, Sanford M. and DelGuidice, Paul D.** Analysis of three-dimensional ducted and exhaust plume flowfields. (AIAA J) 823
- Davis, L.P.** (PS, V. 59; see Sukaneck, P.C.)
- Davis, R.N.** (JE; see Decher, R.)
- Davis, R.T.** (AIAA J; see Srivastava, B.N.)
- Davis, Sanford** (AIAA J; see Satyanarayana, Bodapati)
- Davis, T.R.** (AIAA J; see Kuo, K.K.)
- Daywitt, James, Kutler, Paul, and Anderson, Dale** Floating shock fitting for cones at large incidence. (AIAA J) 385
- Decher, Reiner** Nonuniform flow through nozzles. (JA) 416
- Decher, R.** (PS, V. 61; see Lau, C.V.)
- Decher, R. and Davis, R.N.** Performance characteristics of compressed air energy storage systems. (JE) 165
- Deepak, Desh** (AIAA J, TN; see Rastogi, R.P.)
- Deese, J.E. and Hassan, H.A.** Direct nuclear pumping by a volume source of fission fragments. (AIAA J) 1030
- DeHoff, R.L. and Hall, W.E., Jr.** Multivariable quadratic synthesis of an advanced turbofan engine controller. (JGC) 136
- DeJoode, A.D. and Patankar, S.V.** Prediction of three-dimensional turbulent mixing in an ejector. (AIAA J) 145
- Delaney, C.L.** (JA; see Churchill, A.V.)
- de Leeuw, J.H., Haasz, A.A., Stangeby, P.C., and Youle, I.S.** Experimental simulation of a hypersonic gas target neutron generator. (JE) 238
- DelGuidice, Paul D.** (AIAA J; see Dash, Sanford M.)
- Demetriades, Anthony** Turbulent fluctuations in the wakes of gasdynamic laser cusps. (JE, TN) 124
- Transition to turbulence in two-dimensional wakes. (AIAA J) 587
- DeMott, Richard L.** (JH; see Livesay, B.J.)
- de Silva, B.M.E. and Carmichael, Ralph L.** Canardwing shape optimization with aerodynamic requirements. (JA, SYN) 705
- DeVries, Paul L.** (PS, V. 61; see George, Thomas F.)
- Dey, Jyotirmoy** (AIAA J, TN; see Rao, V. Kupp))

- DeYoung, R.J., Jalufka, N.W., and Hohl, F.** Direct nuclear-pumped lasers using the $^3\text{He}(n,p)^3\text{H}$ reaction. (AIAA J) 991
- Dickinson, Richard M.** SPS microwave subsystem potential impacts and benefits. (PS, V. 61) 25
- Dieck, R.H., Western, E.E., and Reinhardt, A.H., Jr.** Aircraft gas turbine smoke measurement uncertainty using the SAE/EPA method. (JA) 246
- Dillenius, M.F.E.** (JA; see McMillan, O.J.)
- Dillon, James L.** (JA; see Penland, Jim A.)
- Dirling, R.B., Jr.** Asymmetric nose-tip shape change during atmospheric entry. (PS, V. 59) 311
- Dobbs, L.D.** (JH; see Kubota, T.)
- Dobrzynski, Werner M.** (JA; see Heller, Hanno H.)
- Dodge, Franklin T. and Ricker, Randall E.** Flow of liquid jets through closely woven screens. (JSR) 213
- Doherty, J.E., LaGrotta, J.M., and Wheeler, E.** Computer-aided inspection of near-net-shape turbine disks. (JA) 413
- Donaldson, C. duP.** (PS, V. 58; see Varma, A.K.)
- Donohoe, John C., Blackstock, Thomas A., and Keyes, J.** Wayne Ablation measurement on the gasjet nose tip. (PS, V. 59) 368
- Dosanjh, D. S., Bhutiani, P. K., and Ahuja, K. K.** Supersonic jet noise suppression by coaxial cold/heated jet flows. (AIAA J, TN) 268
- Douglas, B.E. and Yang, J.C.S.** Transverse compressional damping in the vibratory response of elastic-viscoelastic-elastic beams. (AIAA J) 925
- Douglas-Hamilton, D.H.** (JE; see Legner, H.H.)
- Douglas-Hamilton, D.H., Kantrowitz, A.R., and Reilly, D.A.** Laser assisted propulsion research. (PS, V. 61) 271
- Douglass, Robert H., Jr. and Bakstad, Pal J.** Systems aspect of ocean thermal energy conversion. (JH) 18
- Draper, James Stark and Moran, James P.** Wind-tunnel simulation of high-altitude rocket plumes. (JSR, SYN) 129
- Drewell, Norbert** (PS, V. 61; see Measures, Raymond M.)
- Drewry, James E.** Fluid dynamic characterization of sudden-expansion ramjet combustor flowfields. (AIAA J) 313
- Drexler, K.E. and Sperber, B.R.** An aperture-augmented prototype power satellite. (JE, TN) 318
- Dring, R.P. and Suo, M.** Particle trajectories in swirling flows. (JE) 232
- Driscoll, R.J.** (AIAA J; see Zelazny, S.W.)
- Dryer, Frederick L. and Glassman, Irvin** Combustion chemistry of chain hydrocarbons. (PS, V. 62) 255
- Duggin, B.W., Forrestal, M.J., and Butler, R.I.** Impulse from an electrically exploded etched copper mesh. (AIAA J, TN) 856
- Dugundji, John** (AIAA J, SYN; see Chopra, Inderjit)
- Dulgeroff, C.R.** (JSR, EN; see Hyman, J., Jr.)
- Durocher, Cort L.** Effect of radar disturbances on ground-controlled precision-landing delivery. (JGC) 289
- Dwyer, Harry A.** (AIAA J; see Sturek, Walter B.)
- Eastep, F.E.** (AIAA J; see Venkayya, V.B.)
- Reply by author to A.H. Flax. (AIAA J, TC) 1024
- Ebcioğlu, I.K.** (AIAA J, TN; see Sierakowski, R.L.)
- Ebner, R.E. and Mark, J.G.** Redundant integrated flight-control/navigation inertial sensor complex. (JGC) 143; JGC, ERR 384
- Eby, Robert J.** (AIAA J, TN; see Karam, Robert D.)
- Edelman, R.B. and Harsha, P.T.** Some observations on turbulent mixing with chemical reactions. (PS, V. 58) 55
- Edge, Ernest R.** (JGC; see Powers, William F.)
- Edwards, D.K.** (JE; see Felland, J.R.)
- (PS, V. 60; see Eninger, James E.)
- Edwards, John W., Breakwell, John V., and Bryson, Arthur E., Jr.** Active flutter control using generalized unsteady aerodynamic theory. (JGC) 32
- Eichler, J.** Dynamic analysis of an in-flight refueling system. (JA) 311
- Eidinoff, H.L.** (AIAA J; see Ojalvo, I.U.)
- Elias, Georges** (AIAA J, SYN; see Avezard, Léon)
- El-Mistikawy, T.M. and Werle, M.J.** Numerical method for boundary layers with blowing-the exponential box scheme. (AIAA J, TN) 749
- El Naschie, M.S.** Reply by authors to J. Mayers. (AIAA J, TC) 543
- Reply by author to A.H. Flax. (AIAA J, TC) 862
- Engels, G.J.** (JA; see Godoy, S.G.)
- Englar, Robert J., Trobaugh, Lynn A., and Hemmerly, Rodney A.** STOL potential of the circulation control wing for high-performance aircraft. (JA) 175
- English, Robert E.** Comment on "Heat-pipe reactors for space power applications." (JE, TC) 191
- Eninger, James E. and Edwards, D.K.** Excess liquid in heat-pipe vapor spaces. (PS, V. 60) 80
- Eppler, Richard** Turbulent airfoils for general aviation. (JA) 93
- Ericsson, Lars E.** Asymmetric unsteady flow in forward-facing cavities. (JSR) 321
- Flow pulsations on concave conic forebodies. (JSR) 287
- (JSR; see Reding, J. Peter)
- Ericsson, Lars E. and Reding, J. Peter** Further consideration of "spilled" leading-edge vortex effects on dynamic stall. (JA, ERR) 64
- Viscous interaction or support interference-the dynamicist's dilemma. (AIAA J) 363
- Effect of angle of attack and Mach number on slender-wing unsteady aerodynamics (JA) 358
- Comment on "A re-entry control effectiveness methodology for the Space Shuttle Orbiter (JSR, TC) 189
- Ero, M.I.O.** Heat and mass transfer in close proximity impinging two-dimensional laminar jets. (AIAA J, TN) 611
- Erzberger, Heinz** (JGC; see Menga, Giuseppe)
- Euler, E.A., Adams, G.L., and Hopper, F.W.** Design and reconstruction of the Viking lander descent trajectories. (JGC) 372
- Ezekwe, C.I., Pierce, F.J., and McAllister, J.E.** Measured Reynolds stress tensors in a three-dimensional turbulent boundary layer. (AIAA J, SYN) 645
- Faeth, G.M.** (JH; see Groff, E.G.)
- Fansler, Kevin S. and Schmidt, Edward M.** Trajectory perturbations of asymmetric fin-stabilized projectiles caused by muzzle blast. (JSR, EN) 62
- Farbridge, J.E. and Smith, Ronald C.** The transonic multifoil augmentor wing. (JA) 755
- Farmer, Moses G.** (JA; see Bennett, Robert M.)
- Farrenkopf, R.L.** Analytic steady-state accuracy solutions for two common spacecraft attitude estimators. (JGC; EN) 282
- (JGC; see McAloon, K.J.)
- Faulkner, W.H.** (JGC; see Onstott, E.D.)
- Fearn, D.G.** (JSR; see Rees, T.)
- Cyclic life-test of an ion thruster hollow cathode. (JSR) 154
- Fearn, Richard L.** (AIAA J, TN; see Krausche, Dolores)
- Felland, J.R. and Edwards, D.K.** Solar and Infrared radiation properties of parallel-plate honeycomb. (JE) 309
- Felton, P.G.** (PS, V. 58; see Prior, D.S.)
- Feltz, Louis V.** (JE; see Sheldahl, Robert E.)
- Fendell, Francis E.** (PS, V. 58; see Bush, William B.)
- Feng, William W.** Finite deformation of anisotropic plastic rotating disks. (AIAA J, TN) 1205
- Fenn, J.B.** (AIAA J; see Tang, S.P.)
- Fichtl, G.H.** (AIAA J; see Schafer, C.F.)
- Fill, Thomas J.** (JGC; see Battin, Richard H.)
- Fink, Martin R.** Minimum on-axis noise for a propeller or helicopter rotor. (JA, EN) 700
- Forward Flight effects on externally blown flap noise. (JA, SYN) 545
- Fishburne, E.S.** (PS, V. 58; see Varma, A.K.)
- Fisk, H.R.** (JA; see Vershure, R.W., Jr.)
- Fitzpatrick, G.O. and Britt, E.J.** Thermionics and its application to the SPS. (PS, V. 61) 211
- Flax, Alexander H.** Comment on "Reply by author to A.H. Flax." (AIAA J, TC) 94
- Comment on "Natural frequencies of a cantilever with slender tip mass." (AIAA J, TC) 94
- Comment on "Some remarks on the Beck problem." (AIAA J, TC) 861
- Comment on "Estimation of fundamental frequencies of beams and plates with varying thickness." (AIAA J, TC) 1022
- Comment on "A paradoxical case in a stability analysis." (AIAA J, TC) 1116
- Fletcher, L.S.** (AIAA J, TN; see Przirembel, C.E.G.)
- (AIAA J; see Smith, A.M.)
- Fogaro, R.P. and Laganelli, A.L.** Mach number and wall temperature effects on turbulent heat blockage. (PS, V. 59) 156
- Fogdall, Lawrence B. and Cannaday, Sheridan S.** Effects of space radiation on thin polymers and nonmetals. (PS, V. 60) 290
- Foley, M.H.** A minimum mass square plate with fixed fundamental frequency of free vibration. (AIAA J, TN) 1001
- Foreman, Kenneth M.** (JE; see Gilbert, Barry L.)
- Forrestal, M.J.** (AIAA J, TN; see Duggin, B.W.)
- Forsch, H.** (JA; see Bannink, E.)
- Fox, Herbert, Tabi, Rifat, Nelson, Edward, and Robbins, Joseph E.** Cogeneration: a systematic analysis of combined steam and power generation. (JE) 24
- Franklin, James A. and Innis, Robert C.** Flight evaluation of flight-path control for the STOL approach and landing. (JA) 5
- Friereson, J.L., Moore, F.G., and Van Meter, R.L.** An electrostatic roll sensor for supersonic vehicles Part I: feasibility and flight tests. (JA) 195
- Fruman, D.H.** (JH, EN; see Wu, J.)
- Fuchs, Helmut V. and Michel, Ulf** Experimental evidence of turbulent source coherence affecting jet noise. (AIAA J, SYN) 871
- Fuchs, Moshe B. and Brull, Maurice A.** Norm optimization method in structural design. (AIAA J) 20
- Fuchs, Ronald P.** (JGC; see Kroncke, George T.)
- Fuhrman, R.A.** The Fleet Ballistic Missile System: Polaris to Trident. (JSR, von Karman Lectureship) 265
- Fuhs, Allen E.** Comment on "extensions of dual-plate holography interferometry." (AIAA J, TC) 287
- Editor's comment concerning "Remarks on thin airfoil theory." (JA, TC) 448
- Fujiwara, Toshitaka** (PS, V. 59; see Park, Chul)
- AIAA J; see Taki, S.)

- Fung, K.-Y., Yu, N. J., and Seebass, R. Small unsteady perturbations in transonic flows. (AIAA J) 815
- Fussey, David E. (AIAA J, TN; see Hewitt, F. Anthony)
- Gallagher, J.P., Grandt, A.F., Jr., and Crane, R.L. Tracking potential crack growth damage in U.S. Air Force aircraft. (JA) 435
- Gallagher, J.P. and Stalnaker, H.D. Developing normalized crack growth curves for tracking damage in aircraft. (JA) 114
- Gallopoloulos, Nicholas E. Alternative fuels for reciprocating internal combustion engines. (PS, V. 62) 74
- Gangsaas, D. (JGC; see Martin, D.L.)
- Gany, Alon, Caveny, Leonard H., and Summerfield, Martin Aluminized solid propellants burning in a rocket motor flowfield. (AIAA J) 736
- Garba, John A. (JSR; see Chen, Jay C.)
- Garbuny, M. Quasi-isentropic laser engines. (PS, V. 61) 479
- Garg, D.P. (AIAA J, TN; see Wilson, J.F.)
- Garg, S.C., Morrow, L.D., and Mamen, R. Strapdown navigation technology: a literature survey. (JGC, SP) 161
- Gartling, David K. (JE; see Larson, David W.)
- Gasparovic, R.F. (JA, SYN; see Willmarth, W.W.)
- Gates, Robert L. (JGC; see Satin, Arthur L.)
- Gaugler, Raymond E. Turbine blade transient heat transfer computer code. (JA, SYN) 801
- Geissler, W. Nonlinear unsteady potential flow calculations for three-dimensional oscillating wings. (AIAA J) 1168
- Gelfand, Jack J. (PS, V. 61; see Miles, Richard B.)
- Gelles, S.H. and Markworth, A.J. Microgravity studies in the liquid-phase immiscible system: aluminum-indium. (AIAA J) 431
- George, A.R. Helicopter noise: state-of-the-art. (JA, SP) 707
- George, Thomas F., Zimmerman, I. Harold, DeVries, Paul L., Yuan, Jian-Min, Lam, Kai-Shue, Bellum, John C., Lee, Hai-Woong, and Slutsky, Mark S. Laser-enhanced dynamics in molecular rate processes. (PS, V. 61) 583
- Gerber, N. (JSR; see Kitchens, C.W., Jr.)
- Gerdes, Ronald M. (JGC; see Merrick, Vernon K.) (JGC; see Corliss, Lloyd)
- Gerhold, B.W. (PS, V. 58; see Wang, J.C.F.)
- Ghia, K.N. (AIAA J; see Mikhail, A.G.)
- Giammar, Robert D. and Putnam, Abbott A. Noise reduction using paired pulse combustors. (JE, TN) 319
- Giannovario, J.A. (AIAA J; see McCreight, L.R.)
- Gibson, J.A. and Hoy, W. Sew Time varying terminally restrained optimal control assessment. (AIAA J) 12
- Gilbert, Barry L., Oman, Richard A., and Foreman, Kenneth M. Fluid dynamics of diffuser-augmented wind turbines. (JE) 368
- Gilbreath, W.P. (PS, V. 61; see Billman, K.W.)
- Gilbreath, William P. and Billman, Kenneth W. A search for space energy alternatives. (PS, V. 61) 107
- Glass, I.I. (AIAA J; see Ben-Dor, G.)
- Glassman, Irvin (PS, V. 62; see Dryer, Frederick L.)
- Gliebe, Philip R. and Balsa, Thomas F. Aeroacoustics of axisymmetric single and dual-flow exhaust nozzles. (JA) 743
- Gloss, Blair B. and Washburn, Karen E. Load distribution on a close-coupled wing canard at transonic speeds. (JA) 234
- Glowacki, Walter J. (AIAA J, TN; see Chien, Kuei-Yuan)
- Glowacki, W.J., Chien, K.-Y., and Altman, W.P. Some effects of unstable resonators on performance of CW chemical lasers. (AIAA J, TN) 1112
- Godoy, S.G. and Engels, G.J. Sneak circuit and software sneak analysis. (JA) 509
- Gokhale, S.S. (AIAA J; see Krier, Herman) (AIAA J, ERR; see Krier, Herman)
- Golden, David M. Pyrolysis and oxidation of aromatic compounds. (PS, V. 62) 233
- Goldschmied, Fabio R. Aerodynamic hull design for HASPA LTA optimization. (JA) 634
- Goldsmith, Paul and Reppucci, George M. Advanced photovoltaic synchronous-orbit spacecraft power systems. (JE) 81
- Goldstein, M.E. (AIAA J; see Adamczyk, J.J.)
- Goodrich, Winston D. (JSR; see Bertin, John J.)
- Goorjian, P.M. (AIAA J; see Ballhaus, W.F.)
- Gordon, James T. Jr. and Merchant, Howard C. Asymptotic method for predicting amplitudes of nonlinear wheel shimmy. (JA) 155
- Gosman, A.D. (JE; see Abou Ellail, M.M.M.)
- (PS, V. 58; see Abou Ellail, M.M.M.)
- Goto, John M. Fluidic applications in aerospace. (JA, EN) 121
- Gouldin, F.C. (PS, V. 58; see Smith, K.O.)
- Gowariker, V.R. (JSR; see Rao, K.V.C.)
- Gowda, B.H.L. and Swamy, N.V.C. Aerodynamic characteristics of a cylindrical type of wind turbine with inclined blades. (JE, TN) 122
- Grabow, Richard M. Analysis of a film-cooled nosetip in a particle erosion environment. (PS, V. 59) 328
- Grandt, A.F., Jr. (JA; see Gallagher, J.P.)
- Graves, R.A., Jr. (AIAA J, TN; see Kumar, Ajay)
- Graves, Randolph A., Jr. and Johnson, Noreen E. Navier-Stokes solutions using Stetter's method. (AIAA J, TN) 1013
- Gray, Robin B. (JA, EN; see Raj, Pradeep)
- (JA; see Shivananda, T.P.)
- Gray, T.D. (JA; see Rudd, J.L.)
- Greene, William H. (AIAA J; see Noor, Ahmed K.)
- Greenway, M.K., Jr. and Koob, S.J. An application of latin squares methodology in design optimization. (JA) 654
- Greif, Richard K. (JGC; see Corliss, Lloyd)
- Grey, Jerry Panel discussion: alternative fuels policy. (PS, V. 62) 425
- Griffin, R.N. (AIAA J; see McCreight, L.R.)
- Griner, C.S. (AIAA J, SYN; see Grodzka, P.G.)
- Grodzka, P.G., Johnston, M.H., and Griner, C.S. Convection analysis of the dendrite remelting rocket experiment. (AIAA J, SYN) 417
- Groff, E.G. and Faeth, G.M. Steady metal combustor as a closed thermal energy source. (JH) 63
- Groll, M., Krähhling, H., and Münzel, W.D. Heat pipes for cooling of an electric motor. (JE) 363
- Grosche, F.-R. and Stiewitt, H. Investigation of rotor noise source mechanisms with forward speed simulation. (AIAA J) 1255
- Gross, G. (PS, V. 58; see Wilhelm, H.)
- Grossman, B. (AIAA J, TC; see Adamson, T.C., Jr.)
- Groves, W.N. (JE, TN; see Oliver, T.K.)
- Gruber, C.L. (JE, TN; see Oliver, T.K.)
- Grunwald, A.J. (JA; see Merhav, S.J.)
- Guedes, M.P., Gustafson, T.K., Heiblum, M., Siu, D.P., Slayman, C.W., Whinnery, J.R., and Yasuoka, Y. Photoinduced currents in metal-barrier-metal junctions. (PS, V. 61) 524
- Guenther, D.A. (JH, EN; see Reif, T.H.)
- Gunter, E.J. (JSR; see Allaire, P.E.)
- Gupta, A.S. (AIAA J, TN; see Dandapat, B.S.)
- Gupta, H.C. and Bracco, F.V. Numerical computations of two-dimensional unsteady sprays for application to engines. (AIAA J) 1053
- Gupta, Murli M. and Manohar, Ram P. A critique of a second-order upwind scheme for viscous flow problems. (AIAA J, TN) 759
- Gupta, Narendra K. (AIAA J; see Johnson, Wayne)
- Gupta, Narendra K. and Hall, W. Earl Jr. Design and evaluation of sensor systems for state and parameter estimation (JGC) 397
- Gupta, Narendra K., Hall, W. Earl, Jr., and Trankle, Thomas L. Advanced methods of model structure determination from test data. (JGC) 197
- Gustafson, T.K. (PS, V. 61; see Guedes, M.P.)
- Haasz, A.A. (JE; see deLeeuw, J.H.)
- (JE, TN; see Johnston, Sheridan C.)
- Hacker, Tiberiu Constant-control rolling maneuver. (JGC) 313
- Hadcock, R. (JA; see Bannink, E.)
- Haimov, Anri (JH; see Varsamov, Kiril)
- Haldeman, C.W. (AIAA J; see Birtwell, E.P.)
- Hall, Dennis R. Hypersonic free-molecular heating of micron size particulate. (AIAA J, TN) 857
- Hall, D.W. and Nowlan, D.T. Aerodynamics of ballistic re-entry vehicles with asymmetric nosetips. (JSR) 55
- Hall, W. Earl, Jr. (JGC; see Gupta, Narendra K.)
- (JGC; see DeHoff, R.L.)
- (JA; see Bennett, Robert M.)
- Hamed, A. (JE, TN; see McFarland, E.)
- Hamed, A., Sheoran, Y., and Tabakoff, W. Stress analysis study in cooled radial inflow turbine. (JA, SYN) 803
- Han, T. (AIAA J, TN; see Chow, W.L.)
- Handley, John C. (AIAA J, SYN; see Strahle, Warren C.)
- Haney, H.P., Waggoner, E.G., and Ballhaus, W.F. Computational transonic optimization and wind-tunnel test of a semispan wing. (JA) 606
- Hanff, E.S. and Orlik-Rückemann, K.J. Wind-tunnel measurement of dynamic cross-coupling derivatives. (JA) 40
- Hannah, B.W. and King, W.L., Jr. Reply by authors to A.E. Fuhs. (AIAA J, TC) 287
- Harch, W.H. (AIAA J, TN; see Bremhorst, K.)
- Harris, Stephen E. and Young, James F. Rapid laser induced energy transfer in atomic systems. (PS, V. 61) 569
- Harsha, P.T. (PS, V. 58; see Edelman, R.B.)
- Hartman, G.J. (PS, V. 59; see Kesselring, J.P.)
- Harvey, D.W. (AIAA J, TN; see Rosen, R.)
- Harwell, K.E., Jackson, H.T., Jr., and Poslajko, F. Comparison of theoretical and experimental infrared radiation from a rocket exhaust. (PS, V. 59) 186
- Harwell, W., Haslett, R., and Ollendorf, S. Instrument canister thermal control. (PS, V. 60) 305
- Harwell, W., Kaufman, W.B., and Tower, L.K. Re-entrant groove heat pipe. (PS, V. 60) 131
- Haslett, R. (PS, V. 60; see Harwell, W.)
- Hassan, H.A. (AIAA J; see Deese, J.E.)
- Hassel, James L., Jr. (JA; see Campbell, John P.)
- Havens, W.F. and Ohtakay, H. Attitude determination system for a nadir-pointing satellite. (JGC) 352
- Hawks, Roger J. (JA, EN; see Brogna, Salvatore J.)
- Haynes, B.S. Kinetics of nitric oxide formation in combustion. (PS, V. 62) 359
- Hays, Anthony P. (AIAA J; see Revell, James D.)
- Healy, J.V. An inverse problem for vertical-axis wind turbines. (JE, TN) 382

- Heap, M.P.** Use of alternative fuels in stationary combustors. (PS, V. 62) 116
- Heard, James M.** (AIAA J; see Cost, Thomas L.)
- Heard, Walter L., Jr.** (AIAA J, see Bush, Harold G.)
- Hedgepeth, John M.** Ultralightweight structures for space power. (PS, V. 61) 126
- Hedrick, J. Karl, Metzger, Darryl E., and Takeuchi, Donald I.** Application of formal optimization procedures to film cooling design. (JE) 210
- Hefzy, Mohamed S.** (AIAA J; see Nayfeh, Adnan H.)
- Hegemier, G.** (AIAA J; see Nair, S.)
- Heiblum, M.** (PS, V. 61; see Guedes, M.P.)
- Heinrich, H.G. and Saari, David P.** Parachute opening shock calculations with experimentally established input functions. (JA) 100
- Parachute canopy stress measurements at steady state and during inflation. (JA) 534
- Heller, Hanno H. and Dobrzynski, Werner M.** Unsteady surface pressure characteristics on aircraft components and far-field radiated airframe noise. (JA) 809
- Heller, R.A. and Stevens, G.H.** Bayesian estimation of crack initiation times from service data. (JA) 794
- Helliwell, William S.** A fast implicit iterative numerical method for solving multidimensional partial differential equations. (AIAA J) 663
- Hemmerly, Rodney A.** (JA; see Englar, Robert J.)
- Hendricks, R.J.** (JGC; see Weiss, R.)
- Henne, Preston A.** (JA; see Hicks, Raymond M.)
- Heppenheimer, T.A.** Achromatic trajectories and lunar material transport for space colonization. (JSR) 176
- A mass-catcher for large-scale lunar material transportation. (JSR) 242
- Steps toward space colonization: colony location and transfer trajectories. (JSR) 305
- Hertzberg, Abraham** (PS, V. 61; see Taussig, Robert T.)
- Hertzberg, Abraham and Lau, Chan-Veng A** high temperature rankine binary cycle for ground and space solar engine applications. (PS, V. 61) 172
- Hertzberg, Abraham and Sun, Kenneth** Laser aircraft propulsion. (PS, V. 61) 243
- Hess, D.A.** (JSR; see Regnier, W.W.)
- Hess, R.A.** Dual-loop model of the human controller. (JGC) 254
- Hess, W.G.** Advanced cooled turbine airfoil aerodynamic investigation. (JA) 582
- Hewitt, F. Anthony and Fussey, David E.** Improvements in the combustion driving technique for shock tubes. (AIAA J, TN) 1102
- Hewitt, H.C., Jr., Parekh, B.K., and Askew, G.L.** A test for determining a best flow rate through solar collectors. (JE) 342
- Hickey, P.J.** (JSR, SYN; see Mady, C.J.)
- Hicks, Raymond M. and Henne, Preston A.** Wing design by numerical optimization. (JA) 407
- Hijikata, Kunio** (AIAA J, see Okazaki, Ken)
- (AIAA J, see Yabe, Akira)
- Hildebrand, C.E., Christensen, E.J., Boggs, D.H., Born, G.H., Hokikian, H., Jordan, J.F., and Howard, W.B.** Viking satellite orbit determination. (JGC, SYN) 385
- Hillberry, B.M.** (AIAA J, TN; see Rueping, J.E.)
- Hines, Richard W.** Variable stream control engine for supersonic propulsion. (JA) 321
- Hirsh, J.E.** (AIAA J; see Bilanin, A.J.)
- Hitch, H.P.Y.** Comment on "Aeroelastic stability characteristics of an oblique-wing aircraft." (JA, TC) 864
- Hodge, B.K.** (AIAA J, SYN; see Adams, J.C., Jr.)
- Hodson, P.R.** (PS, V. 59; see Nagib, H.M.)
- Hoepfner, David W.** (AIAA J; see Cole, Sharon L.)
- Hoffert, Martin I., Matloff, Gregory L., and Rugg, Barry A.** The Lebest wind turbine: laboratory tests and data analysis. (JE) 175
- Hoffman, D. and Petrie, G.L.** Shipboard guidance for operation in heavy weather. (JH) 142
- Hoffman, Myron A.** Direct energy converters: efficiency and cost estimates for two electrostatic concepts. (JE) 293
- Hofmann, L.G.** (JGC; see Whitbeck, R.F.)
- Hohl, F.** (AIAA J; see DeYoung, R.J.)
- Hokikian, H.** (JGC, SYN; see Hildebrand, C.E.)
- Holla, V.S.** (JA, EN; see Raju, S.P. Govinda)
- Hollister, Walter M. and Venturino, Michael S.** Radar Beacon tracking with downlinked heading and airspeed. (JGC) 21
- Holyoak, J.N.** (JA; see Cavin, Ralph K., III)
- Hopper, F.W.** (JGC; see Euler, E.A.)
- Horanoff, E.V.** (AIAA J, TN; see Ragsdale, W.C.)
- Horst, A.W., Nelson, C.W., and May, I.W.** Flame spreading in granular propellant: comparison of theory to experiments. (AIAA J, SYN) 769
- Horstman, C.C.** (AIAA J, SYN; see Acharya, M.)
- Howard, Jack B.** (PS, V. 62; see Bittner, James D.)
- Howard, W.B.** (JGC, SYN; see Hildebrand, C.E.)
- Hoy, W. Sew** (AIAA J; see Gibson, J.A.)
- Hoyt, J.W. and Taylor, J.J.** Elliptical water jets. (AIAA J, TN) 85
- Hsieh, Tsuying** Perturbation solutions of unsteady transonic flow over bodies of revolution. (AIAA J) 1271
- Transonic viscous-inviscid flow interaction about a hemisphere-cylinder. (AIAA J) 651
- Huang, N.E.** (JSR; see Leitao, C.D.)
- Huang, S.L.** (JA; see Rosenfeld, M.S.)
- Hubbart, J.E.** (AIAA J; see Neale, D.H.)
- Huddle, James R.** Theory and performance for position and gravity survey with an inertial system. (JGC) 183
- Huffman, G. David and Ng, B. Sung-Hong** Modeling of an asymmetric turbulent near wake using the interaction hypothesis. (AIAA J, SYN) 193
- Huffman, J.K.** (JA; see Johnston, P.J.) (JA, ERR; see Johnston, P.J.)
- Hughes, James D.** Tactical air warfare of the future. (JA) 134
- Hull, David G. and Williamson, Walton E.** Nonlinear method for parameter identification applied to a trajectory estimation problem. (JGC, EN) 286
- Humbad, N.G.** Static aeroelastic analysis of guided slender launch vehicles. (JSR) 12
- Effect of various misalignments on static aeroelastic characteristics of guided launch vehicles. (JSR, EN) 252
- Humes, Donald H.** Hypervelocity impact tests on Space Shuttle Orbiter RCC thermal protection material. (JSR, EN) 250
- Humphris, R.R.** (AIAA J; see Morton, J.B.)
- Hung, C.M. and McCormack, R.W.** Numerical solution of three-dimensional shock wave and turbulent boundary-layer interaction. (AIAA J) 1090
- Hung, F.T.** Three-dimensional shock-wave interference heating prediction. (PS, V. 59) 91
- Hung, R.J., Phan, T., and Smith, R.E.** Ionospheric Doppler sounder for detection and prediction of severe storms. (AIAA J, TN) 763; AIAA J, ERR 1024
- Hurley, P.J.** (JE; see Beverly, W.D.)
- Hutchinson, P., Khalil, E.E., and Whitelaw, J.H.** Measurement and calculation of furnace-flow properties. (PS, V. 58) 211
- Hwang, Chintsun** (AIAA J, SYN; see Pi, W.S.)
- Hyman, J., Jr.** (JSR; see Williamson, W.S.)
- Hyman, J., Jr. and Dulgeroff, C.R.** Modularized ion thruster development for auxiliary propulsion. (JSR, EN) 184
- Ibrahim, Sam R.** Modal confidence factor in vibration testing. (JSR) 313
- Idar, E.S., III** (JSR; see Bertin, John J.)
- Idrus, N.** (PS, V. 60; see William, A.)
- Ii, Jack Morito** Synthesis of aerodynamic transfer functions for elastic flight vehicles. (JA) 777
- Ikawa, H.** Reply by author to L.E. Ericsson and J.P. Reding (JSR, TC) 191
- Iliff, Kenneth W.** Identification and stochastic control of an aircraft flying in turbulence. (JGC) 101
- Inger, G.R.** Reply by author to Adamson et al. (AIAA J, TC) 544
- Inger, G.R. and Zee, S.** Transonic shock wave/turbulent-boundary-layer interaction with suction or blowing. (JA) 750
- Ingoldby, Robert N.** Guidance and control system design of the Viking planetary lander. (JGC) 189
- Innis, Robert C.** (JA; see Franklin, James A.)
- Inoue, Y. and Page, R.H.** Aerothermodynamic base heating. (PS, V. 59) 49
- Intrieri, Peter F.** (JSR; see Kirk, Donn B.)
- Isakson, Gabriel, Pardo, Harry, Lerner, Edwin, and Venkayya, Vippera B.** ASOP-3: a program for optimum structural design to satisfy strength and deflection constraints. (JA) 422
- Ishii, Ryuji** A new method of nozzle design. (AIAA J, TN) 756
- Ivers, William S.** (JGC; see Villyard, Kenneth W.)
- Iversen, James D.** (JA; see Corsiglia, Victor R.)
- (JA, EN; see Raj, Pradeep)
- Jackson, H.T., Jr.** (PS, V. 59; see Harwell, K.E.)
- Jackson, L. Robert** (JA; see Taylor, Allan H.)
- Jackson, L. Robert and Taylor, Allan H.** Structural design for a hypersonic research airplane. (JA) 366
- Jacobson, D.** (JE, TN; see Manda, M.)
- Jacobson, Ira D.** (JGC; see Pepitone, Thomas R.)
- Jacobson, Ira D. and Joshi, Dinesh S.** Handling qualities of aircraft in the presence of simulated turbulence. (JA, EN) 254
- Jacobson, Ira D., Kuhlthau, A. Robert, Richards, Larry G., and Conner, D. William** Passenger ride quality in transport aircraft. (JA) 724
- Jacobson, Robert A.** (JGC; see Thornton, Catherine L.)
- Jacobson, Robert A. and Thornton, Catherine L.** Elements of solar sail navigation with application to a Halley's comet rendezvous. (JGC) 365
- Jahn, R.G.** (AIAA J, see Saber, A.J.)
- Jakubowski, Antoni K.** (AIAA J, SYN; see Schetz, Joseph A.)
- Jalufka, N.W.** (AIAA J; see DeYoung, R.J.)
- Jameson, A.** (AIAA J; see Ballhaus, W.F.)
- Jarvinen, Philip O.** Heat mirrored solar energy receivers. (JE) 95
- Jen, H.** (PS, V. 60; see Brennan, P.J.)
- Jenkins, Robert E.** Radiometer force on the proof-mass of a drag-free satellite. (AIAA J, TN) 624
- Jerkovsky, W.** The structure of multibody dynamics equations. (JGC) 173

- Johns, David J.** Comment on "A paradoxical case in a stability analysis." (AIAA J, TC) 1115
- Johnson, C. and Taylor, J.M.** Tank breakup fragment distribution model. (JSR) 168
- Johnson, Charles B.** (JA, EN; see Lawing, Pierce L.)
- Johnson, E.H.** (JA; see Crittenden, J.B.)
- Johnson, Erwin and Weisshaar, Terry A.** Reply by authors to H.P.Y. Hitch. (JA, TC) 864
- Johnson, Ivan L., Jr.** (JGC; see Kelley, Henry J.)
- Johnson, K.G.** (JGC; see Young, J.W.)
- Johnson, Noreen E.** (AIAA J, TN; see Graves, Randolph A., Jr.)
- Johnson, R.W.** (JA; see McCarty, J.E.)
- Johnson, Wayne and Gupta, Narendra K.** Instrumental variables algorithm for modal parameter identification in flutter testing. (AIAA J) 800
- Johnson, William R. and Norris, Dean R.** Skylab detection of an algal bloom in the Gulf of Mexico. (JSR, EN) 317
- Johnson, W.S.** (JH; see Tennant, J.S.)
- Johnston, M.H.** (AIAA J, SYN; see Grodzka, P.G.)
--(AIAA J; see Miller, R.I.)
- Johnston, P.J., Pittman, J.L., and Huffman, J.K.** Integrated scramjet installation effect on the subsonic performance of a hypersonic aircraft. (JA) 326; JA, ERR 640
- Johnston, Sheridan C.** Gasdynamic measurements for the LASL intense neutron source. (JE) 243
- Johnston, Sheridan C., Haasz, A.A., and Stangeby, P.C.** Comparison of experimental results for gas target neutron generator simulation studies. (JE, TN) 253
- Jones, J.H.** (PS, V. 58; see Williams, W.D.)
- Jones, Ralph R., III** (AIAA J; see Moses, Hal L.)
- Jones, W. Linwood, Wentz, Frank J., and Schroeder, Lyle C.** Algorithm for inferring wind stress from SeaSat-A. (JSR) 368
- Jones, Wayne S.** Laser-powered aircraft and rocket systems with laser energy relay units. (PS, V. 61) 264
- Jordan, J.B. and Williams, Alan** Combustion of droplets and sprays of some alternative fuels. (PS, V. 62) 180
- Jordan, J.F.** (JGC, SYN; see Hildebrand, C.E.)
- Jordan, Peter F.** Reliable lifting surface solutions for unsteady flow. (JA) 626
- Joshi, Dinesh S.** (JA, EN; see Jacobson, Ira D.)
- Joshi, Suresh M.** Analysis of a magnetically suspended, high-performance instrument pointing system. (JGC) 150
- Joy, K.V.** (JGC, EN; see Adimurthy, V.)
- Jurison, Jaan** Multicolor solar cell power system for space. (PS, V. 61) 152
- Kaiser, J.E.** (AIAA J; see Nayfeh, A.H.)
- Kamotani, Yasuhiro** Effects of one-sided heat input and removal on axially grooved heat-pipe performance. (PS, V. 60) 23
--Performance of gravity-assisted heat pipes operated at small tilt angles. (PS, V. 60) 96
- Kandil, Osama A.** (AIAA J; see Nayfeh, Ali H.)
- Kantrowitz, A.R.** (PS, V. 61; see Douglas-Hamilton, D.H.)
- Kaplan, Marshall H., Cwynar, David J., and Alexander, Stephen G.** Anticipated attitude motion of Skylab for a 1979 revisit mission. (JSR) 219
- Karam, Robert D. and Eby, Robert J.** Linearized solution of conducting-radiating fins. (AIAA J, TN) 536
- Kassoy, D.R. and Libby, Paul A.** Stagnation point boundary layer on a subliming surface with numerous small roughness elements. (AIAA J, TN) 630
- Kato, Kanichiro and Sato, Koji** The backside parameter viewed from optimal control. (JA, SYN) 67
- Katz, J. and Weihs, D.** Behavior of vortex wakes from oscillating airfoils. (JA, EN) 861
- Kaufman, H.R.** (AIAA J; see Aston, G.)
- Kaufman, W.B.** (PS, V. 60; see Harwell, W.)
- Kawase, S.** (JGC, EN; see Tanaka, T.)
- Kayser, Lyle D.** (AIAA J; see Sturek, Walter B.)
- Keaton, D.D.** (JH; see Tennant, J.S.)
- Kee, R.J. and Miller, J.A.** Split-operator, finite-difference solution for axisymmetric laminar-jet diffusion flames. (AIAA J) 169
- Kelley, Henry J., Lefton, Leon, and Johnson, Ivan L., Jr.** Curvilinear projection developments. (JGC) 80
- Kemp, Nelson H.** Simplified formulas for lift and moment in unsteady thin airfoil theory. (AIAA J, TN) 851
--Effect of melt removal by aerodynamic shear on melt-through of metal plates. (PS, V. 59) 225
- Kendall, R.M.** (PS, V. 59; see Nicolet, W.E.)
- Kennedy, J.L. and Marsden, D.J.** Potential flow design method for multicomponent airfoil sections. (JA) 47
- Kentfield, J.A.C.** Prediction of performance of low-pressure-ratio thrust-augmenter ejectors. (JA) 849
- Kerrebrock, J.L.** (JE; see Martinez-Sanchez, M.)
- Kesselring, J.P., Maurer, R.E., Suchsland, K.E., Hartman, G.J., and Peterson, D.L.** Arc-heater code-validation tests of heat-shield materials. (PS, V. 59) 261
- Keyes, J. Wayne** (PS, V. 59; see Donohoe, John C.)
- Khalil, E.E.** (PS, V. 58; see Hutchinson, P.)
- Khot, N.S.** (AIAA J; see Venkayya, V.B.)
- Kimura, Takeyoshi, Kuwata, Chiaki, and Nadai, Yoshikazu** Optimum operating technique of two-stage hypersonic gun tunnel. (AIAA J) 1185
- Kimura, W.D., Pantell, R.H., Piestrup, M.A., and Rothbart, G.B.** Momentum modulation of free electrons by laser light. (PS, V. 61) 368
- King, L.S.** (AIAA J, SYN; see Walitt, L.)
- King, Merrill K.** A model of erosive burning of composite propellants. (JSR) 139
- King, W.L., Jr.** (AIAA J, TC; see Hannah, B.W.)
- Kinney, Robert B.** (AIAA J; see Cielak, Zygmunt M.)
- Kirk, Donn B., Intrieri, Peter F., and Seiff, Alvin** Aerodynamic behavior of the Viking entry vehicle: ground test and flight results. (JSR) 208
- Kishore, K. and Prasad, G.** Survey of solid-propellant aging studies. (JSR, SYN) 261
- Kitchens, C.W., Jr., Gerber, N., and Sedney, R.** Spin decay of liquid-filled projectiles. (JSR) 348
- Klimas, Paul C.** Compressibility effects on parachute transient pressures. (JA, EN) 702
- Kline, Richard L.** Technology and development requirements of the solar power satellite. (JE) 303
- Klumpp, Allan R.** Reply by author to R.A. Spurrier. (JSR, TC) 256
- Knight, Charles J.** (AIAA J, TN; see Tong, Kwok-On)
- Knott, P.G.** V/STOL aerodynamic testing techniques at British Aircraft Corporation. (JA) 339
- Ko, D.R.S.** (JH; see Kubota, T.)
- Kobayakawa, Makoto and Maeda, Hiroshi** Gust response of a wing near the ground through the lifting surface theory. (JA) 520
--Experiment on the gust response of a transport airplane by free-flight model. (JA, EN) 540
- Koenig, D.R.** (JE, TC; see Ranken, W.A.)
- Kolb, C.E.** (JE; see Martinez-Sanchez, M.)
- Kondas, Kevin R.** (AIAA J; see Cole, Sharon L.)
- Koob, S.J.** (JA; see Greenway, M.K., Jr.)
- Koper, Chester A., Jr.** (AIAA J; see Sadeh, Willy Z.)
- Koper, Chester A., Jr., Sadeh, Willy Z., and Turner, Robert E.** A relation between the Lagrangian and Eulerian turbulent velocity auto-correlations. (AIAA J) 969
- Kordulla, W.** Inviscid-viscous interaction in transonic flows about finite three-dimensional wings. (AIAA J) 369
- Kotani, Y.** (PS, V. 58; see Takeno, T.)
- Kotansky, D.R. and Bower, W.W.** A basic study of the VTOL ground effect problem for planar flow. (JA) 214
- Koval, L.R.** Effect of longitudinal stringers on sound transmission into a thin cylindrical shell. (JA) 816
- Kraft, Christopher C., Jr.** The solar power satellite concept: a space program perspective. (JE) 193
- Kraft, E.M.** (AIAA J; see Lo, C.F.)
- Krahling, H.** (JE; see Groll, M.)
- Kramer, R.F.** (PS, V. 59; see Baker, R.L.)
- Krausche, Dolores, Fearn, Richard L., and Weston, Robert P.** Round jet in a cross flow: influence of injection angle on vortex properties. (AIAA J, TN) 636
- Krier, Herman and Gokhale, S.S.** Modeling of convective mode combustion through granulated propellant to predict detonation transition. (AIAA J) 177; AIAA J, ERR 864
- Kroliczek, E.J.** (PS, V. 60; see Brennan, P.J.)
- Kroncke, George T. and Fuchs, Ronald P.** Algorithm for magnetically dumping GPS satellite angular momentum. (JGC) 269
- Kruse, Robert L.** Influence of spin rate on side force of an axisymmetric body. (AIAA J, TN) 415
- Kubota, T., Ko, D.R.S., and Dobbs, L.D.** Weakly-nonlinear, long internal gravity waves in stratified fluids of finite depth. (JH) 157
- Kuhlman, J.M. and Warcup, R.W.** Effects of jet decay rate on jet-induced loads on a flat plate. (JA) 293
- Kuhlthau, A. Robert** (JA; see Jacobson, Ira D.)
- Kulla, P.** Comment on "Effects of radial appendage flexibility on shaft whirl stability." (AIAA J, TC) 1117
- Kumar, Ajay and Graves, R.A., Jr.** Comparative study of the convergence rates of two numerical techniques. (AIAA J, TN) 1214
- Kumari, M.** (AIAA J, TN; see Nath, G.)
- Kunciw, Bohdan G.** Optimal flare in presence of wind shears. (JGC, EN) 284
- Kunoo, Kazuo and Yang, T.Y.** Minimum weight design of cylindrical shell with multiple stiffener sizes. (AIAA J) 35
- Kuo, K.K., Chen, A.T., and Davis, T.R.** Convective burning in solid-propellant cracks. (AIAA J) 600
- Kuriki, Kyoichi and Suzuki, Hiroshi** Transitional behavior of MPD arcjet operation. (AIAA J) 1062
- Kusoy, M.I.** (AIAA J, SYN; see Acharya, M.)
- Kutler, Paul** (AIAA J, SYN; see Shankar, Vijaya)
--(AIAA J, see Daywitt, James)
- Kuwata, Chiaki** (AIAA J; see Kimura, Takeyoshi)
- Laananen, David H.** Mathematical simulation for crashworthy aircraft seat design. (JA) 567

- Labor, J.D. and Verette, R.M.** Environmentally controlled fatigue tests of composite box beams with built-in flaws. (JA) 257
- Laderman, A.J.** Effect of wall temperature on a supersonic turbulent boundary layer. (AIAA J) 723
- Laganelli, A.L.** (PS, V. 59; see Fogaroli, R.P.)
- LaGrotta, J.M.** (JA; see Doherty, J.E.)
- Laitone, E.V.** Ideal tail load for minimum aircraft drag. (JA, EN) 190
- Reply by author to R.S. Shevell. (JA, TC) 639
- Positive tail loads for minimum induced drag of subsonic aircraft. (JA) 837
- Lakshminarayana, B.** (JA; see Moiseev, N.)
- Lam, Kai-Shue** (PS, V. 61; see George, Thomas F.)
- Lamar, John E.** Subsonic vortex-flow design study for slender wings. (JA) 611
- Lambourion, J.** (AIAA J, SYN; see Raffy, P.)
- Lander, H.R.** (JE; see Burdette, C.W.)
- (JA; see Churchill, A.V.)
- Landweber, L.** Axisymmetric potential flow in a circular tube. (JH, ERR) 48
- Langhoff, P.W.** (AIAA J, TN; see Blendstrup, G.)
- Larson, David W., Gartling, David K., and Schimmel, Walter P., Jr.** Natural convection studies in nuclear spent-fuel shipping casks: computation and experiment. (JE) 147
- Larson, R.S., McColgan, C.J., and Packman, A.B.** Jet noise source modification due to forward flight. (AIAA J) 225
- Laskaris, Trifon E.** Finite-element analysis of three-dimensional potential flow in turbomachines. (AIAA J) 717
- Lau, Chan-Veng** (PS, V. 61; see Hertzberg, Abraham)
- Lau, C.V. and Decher, R.** MHD conversion of solar energy. (PS, V. 61) 186
- Law, C.K.** Ignition of a combustible mixture by a hot particle. (AIAA J, TN) 628
- Lawing, Pierce L. and Johnson, Charles B.** Inlet boundary-layer shapes on four aircraft forebodies at Mach 6. (JA, EN) 62
- Leach, J.W. and Cox, R.L.** Flexible deployable-retractable space radiators. (PS, V. 60) 243
- Lebacqz, J. Victor and Aiken, Edwin W.** Experimental investigation of control-display requirements for VTOL instrument transition. (JGC) 261
- Lebel, David** (JH, EN; see Swift, M. Robinson)
- Leblanc, Roger M.F.** (AIAA J, TN; see Aymer de la Chevalerie)
- Lederman, S.** Laser based diagnostic techniques for combustion research. (PS, V. 58) 291
- Lee, C.C.** (JSR; see Allaire, P.E.)
- Lee, George** Status and summary of laser energy conversion. (PS, V. 61) 549
- Lee, George, Perry, Richard L., and Carney, Bruce** CO₂ laser-driven stirling engine. (JE) 203
- Lee, Hai-Woong** (PS, V. 61; see George, Thomas F.)
- Lee, S.W. and Pian, T.H.H.** Improvement of plate and shell finite elements by mixed formulations. (AIAA J) 29
- Lefebvre, A.H.** (PS, V. 58; see Ballal, D.R.)
- Lefebvre, Arthur H., Mellor, Arthur M., and Peters, James E.** Ignition/stabilization/atomization: alternative fuels in gas turbine combustors. (PS, V. 62) 137
- Lefton, Leon** (JGC; see Kelley, Henry J.)
- Legner, H.H. and Douglas-Hamilton, D.H.** CW laser propulsion. (JE) 85
- Lehtinen, A.M.** Controllability analysis for passively and actively controlled heat pipes. (PS, V. 60) 344
- Leitao, C.D., Huang, N.E., and Parra, C.G.** Ocean surface measurement using elevations from GEOS-3 altimeter. (JSR) 362
- Lelarge, Annie** (AIAA J, SYN; see Avezard, Léon)
- Lenox, Joan E.** (JGC; see Battin, Richard H.)
- Lerner, Edwin** (JA; see Isakson, Gabriel)
- Levi, Josef** (AIAA J, TN; see Biringen, Sedat)
- Levin, Alexei** (AIAA J, TN; see Yakhot, Alexander)
- Levy, Lionel L., Jr.** Experimental and computational steady and unsteady transonic flows about a thick airfoil. (AIAA J) 564
- (AIAA J; see Seegmiller, H.L.)
- Lewis, Arthur B.** (JSR, SYN; see Stetson, Kenneth F.)
- Lewis, Clark H.** (AIAA J, TN; see Waskiewicz, John D.)
- (AIAA J; see Murray, Alvin L.)
- Lewis, J.W.L.** (PS, V. 58; see Williams, W.D.)
- Lewy, S.** (AIAA J, SYN; see Raffy, P.)
- Libby, Paul A.** Interaction of a rough subliming surface and a laminar boundary layer. (AIAA J) 130
- (AIAA J, TN; see Kassoy, D.R.)
- Liebeck, Robert H.** Design of subsonic airfoils for high lift. (JA, SP) 547
- Liepins, Atis A.** Rod and beam finite element matrices and their accuracy. (AIAAJ, TN) 531
- Likins, Peter W.** (JGC; see Skelton, Robert E.)
- Lind, M.D.** Crystal growth from solutions in low gravity. (AIAA J) 458
- Liou, M.S.** (AIAA J; see Adamson, T.C., Jr.)
- Liu, C.H.** (AIAA J, SYN; see Padula, S.L.)
- Liu, C.Y.** (AIAA J, SYN; see Walitt, L.)
- Liu, C.Y., Chua, K.T., and Low, K.O.** Bilge keels with discontinuous end plate. (JH, EN) 47
- Liu, S.K.** (AIAA J, TC; see Chow, W.L.)
- Liu, S.K. and Chow, W.L.** Numerical solutions of the compressible hodograph equation. (AIAA J, TN) 188
- Livesay, B.J., Steen, A., and DeMott, Richard L.** Ocean mining requirements. (JH) 89
- Lo, C.F.** Tunnel interference assessment by boundary measurements. (AIAA J, TN) 411
- Lo, C.F. and Kraft, E.M.** Convergence of the adaptive-wall wind tunnel. (AIAA J) 67
- Lobell, M.** (PS, V. 58; see Choudhury, P. Roy)
- Locker, R.J.** (AIAA J; see McCreight, L.R.)
- Lockwood, F.C.** (JE; see Abou Ellail, M.M.M.)
- (PS, V. 58; see Abou Ellail, M.M.M.)
- Loeffler, A.L., Jr. and Vanderbilt, D.** Inviscid flow through wide-angle diffuser with actuator disk. (AIAA J, TN) 1111
- Longwell, John P.** Alternative fuels and combustion problems. (PS, V. 62) 3
- Loth, J.L.** Wind power limitations associated with vortices. (JE) 216
- Low, K.O.** (JH, EN; see Liu, C.Y.)
- Lu, H.Y.** Analytical model for entropy noise of subsonic nozzle flow. (AIAA J) 1235
- Luidens, R.W.** (JA; see Chou, D.C.)
- Lyman, F.A. and Chen, D.-M.** Acoustic attenuation in a nonuniform gas containing droplets. (AIAA J) 503
- MacCormack, R.W.** (AIAA J; see Hung, C.M.)
- Madelung, G.O.** Characteristics of fighter aircraft. (JA; Wright Brothers Lectureship in Aeronautics) 129
- Mady, C.J., Hickey, P.J., and Netzer, D.W.** Combustion behavior of solid-fuel ramjets. (JSR, SYN) 131
- Maeda, Hiroshi** (JA; see Kobayakawa, Makoto)
- (JA, EN; see Kobayakawa, Makoto)
- Maggitti, Lawrence** (PS, V. 62; see Blazowski, William S.)
- Magnuson, Allen H.** (JH; see Carrier, Robert)
- Magre, Philippe** (PS, V. 58; see Bonniot, J. Claude)
- Mahn, R.H., Jr.** (JGC, EN; see Tseng, G.T.)
- Majjigi, R.K.** (AIAA J; see Sigman, R.K.)
- Malcolm, Gerald N.** (AIAA J; see Clarkson, Mark H.)
- Malmuth, N.D.** Generalized area rules and integral theorems for hypersonic wing-bodies. (AIAA J, TN) 1019
- Malone, John B.** (JA; see Chipman, Richard R.)
- Malvern, Donald and Capellupo, John** New approach to assurance technology on "the Hornet". (JA) 805
- Mamen, R.** (JGC, SP; see Garg, S.C.)
- Manda, M. and Jacobson, D.** Electron emission from nickel-alloy surfaces in cesium vapor. (JE, TN) 59
- Mandl, P.** (AIAA J; see Barron, Ronald M.)
- Manhardt, P.D.** (AIAA J; see Baker, A.J.)
- Mani, R.** (JA; see Clapper, W.S.)
- Mani, R., Clapper, W.S., Stringas, E.J., and Banerian, G.** Development of a technique for in-flight jet noise simulation-Part II. (JA) 589
- Manista, E.J.** (PS, V. 61; see Alger, D.L.)
- Mann, R.J.** (JGC; see McAloon, K.J.)
- Manohar, Ram P.** (AIAA J, TN; see Gupta, Murli M.)
- Marchionna, N.R.** (JA; see Rubins, P.M.)
- Marciat, Jacques** (AIAAJ, SYN; see Bontoux, Patrick)
- Marcy, W.L.** A rigid airship concept for future naval operations. (JA) 298
- Marek, C.J.** (PS, V. 58; see Cooper, L.P.)
- Margason, Richard J.** (JA, SA; see Platzer, Max F.)
- Mark, J.G.** (JGC; see Ebner, R.E.) (JGC, ERR; see Ebner, R.E.)
- Marks, Colin H.** (JE; see Buckley, Frank T., Jr.)
- Markworth, A.J.** (AIAA J; see Gelles, S.H.)
- Marsden, D.J.** (JA; see Kennedy, J.L.)
- Martin, D.L. and Gangsaas, D.** Testing of the YC-14 flight control system software. (JGC) 242
- Martin, G.B.** Emission control techniques for alternative fuel combustion. (PS, V. 62) 395
- Martin, James A.** Parallel-burn options for dual-fuel single-stage orbital transports. (JSR) 4
- Ramjet propulsion for single-stage-to-orbit vehicles. (JSR, SYN) 259
- Martinez-Sanchez, M., Kolb, C.E., and Kerrebrock, J.L.** Potential effects of coal slag condensation on plasma conductivity in MHD generators. (JE) 31
- Marvin, J.G.** (AIAA J; see Seegmiller, H.L.)
- Masek, T.D. and Cohen, H.A.** Satellite positive-ion-beam system. (JSR) 27
- Massier, P.F.** (AIAA J, TN; see Parthasarathy, S.P.)
- (AIAA J; see Sarohia, V.)
- Massot, Pierre** (AIAAJ, SYN; see Bontoux, Patrick)
- Masuhara, Y.** (JE; see Yamasaki, H.)
- Mazziat, J.M.** (JA, SYN; see Willmarth, W.W.)
- Matloff, Gregory L.** (JE; see Hoffert, Martin I.)
- Mattick, Arthur T.** Absorption of solar radiation by alkali vapors. (PS, V. 61) 159
- Maulard, Jean** (AIAA J, SYN; see Avezard, Léon)
- Maurer, R.E.** (PS, V. 59; see Kesseling, J.P.)

- May, I.W. (AIAA J, SYN; see Horst, A.W.)
- Maybeck, Peter S. Performance analysis of a particularly simple Kalman filter. (JGC) 391
- Mayers, J. Comment on "Some remarks on the Beck problem." (AIAA J, TC) 543
- Maykut, A.R. Cost vs performance in propulsion system design. (JSR) 100
- Mays, R.A. (JE; see Miller, M.P.)
- McAllister, J.E. (AIAA J, SYN; see Ezekwe, C.I.)
- McAloon, K.J., Farrenkopf, R.L., Belsky, F.J., and Mann, R.J. Performance tests of two precision attitude determination systems. (JGC) 327
- McAninch, G.L. (AIAA J; see Myers, M.K.)
- McCarty, J.E. and Johnson, R.W. Durable and damage-tolerant composite commercial aircraft structure design approach. (JA) 33
- McCay, T. Dwayne, Powell, Homer M., and Busby, Michael R. Direct mass spectrometric measurements in a highly expanded rocket exhaust plume. (JSR) 133
- McCluney, W.R. and Sivak, L.D. Gulf stream OTEC resource potential. (JE, TN) 120
- McColgan, C.J. (AIAA J; see Larson, R.S.)
- McCoy, J.R. (JE; see Burdette, C.W.)
- McCreight, Craig R. (PS, V. 60; see Quadri, John A.)
- McCreight, L.R., Griffin, R.N., Locker, R.J., and Giannovario, J.A. Continuous flow electrophoretic separator for biologicals. (AIAA J) 471
- McFarland, E., Tabakoff, W., and Hamed, A. Plane cascade solution with injection. (JE, TN) 189
- McGuire, R.L. (PS, V. 58; see William W.D.)
- McIntosh, R. (PS, V. 60; see Brennan, P.J.)
- McKee, H.B. (PS, V. 60; see Steele, W.H.)
- McMahon, H.M. (JA; see Shivananda, T.P.)
- (JA, EN; see Antani, D.L.)
- McMillan, O.J., Schwind, R.G., Nielsen, J.N., and Dillenius, M.F.E. Rolling moments in a trailing vortex flowfield. (JA) 280
- McNaughton, J.L. (JA, SYN; see Willmarth, W.W.)
- Measures, Raymond M., Drewell, Norbert, and Cardinal, Paul Superelastic laser energy conversion (SELEC). (PS, V. 61) 450
- Medford, J.E. In-depth oxidation distribution of reinforced carbon-carbon material. (PS, V. 59) 289
- Megahed, I.E.A. (JE; see Abou Ellail, M.M.M.)
- (PS, V. 58; see Abou Ellail, M.M.M.)
- Mei, Chuh Reply by author to G. Prathap. (AIAA J, TC) 864
- Meirovitch, L. (JGC; see VanLandingham, H.F.)
- Mellor, Arthur M. (PS, V. 62; see Lefebvre, Arthur H.)
- (JE; see Plee, S.L.)
- Melnik, R.E. (AIAA J, TC; see Adamson, T.C., Jr.)
- Menga, Giuseppe and Erzberger, Heinz Time-controlled descent guidance in uncertain winds. (JGC) 123
- Merchant, Howard C. (JA; see Gordon, James T. Jr.)
- Merhav, S.J. and Grunwald, A.J. Display augmentation in manual control of remotely piloted vehicles. (JA) 182
- Merrick, Vernon K. and Gerdes, Ronald M. Design and piloted simulation of a VTOL flight-control system. (JGC) 209
- Merz, R.A., Page, R.H., and Przirembel, C.E.G. Subsonic axisymmetric near-wake studies. (AIAA J) 656
- Messiter, A.F. (AIAA J; see Adamson, T.C., Jr.)
- (AIAA J, TC; see Adamson, T.C., Jr.)
- Mettler, S.C. (AIAA J, TN; see Rueping, J.E.)
- Metzger, Darryl E. (JE; see Hedrick, J. Karl)
- Meyers, Carl G., Jr. (AIAA J, TN; see Switzer, Gary L.)
- Meyers, G.J. (JH; see Reismann, H.)
- Michel, Ulf (AIAA J, SYN; see Fuchs, Helmut V.)
- (AIAA J, SYN; see Bechert, Dietrich W.)
- Mikhail, A.G. and Ghia, K.N. Viscous compressible flow in the boundary region of an axial corner. (AIAA J) 931
- Mikulas, Martin M., Jr. (AIAA J, see Bush, Harold G.)
- Miles, Richard B., Gelfand, Jack J., and Royce, Barrie S.H. Proposed photoenhanced electrolysis by evanescent excitation. (PS, V. 61) 658
- Miley, George H. (PS, V. 61; see Boody, Frederick P.)
- (PS, V. 61; see Prelas, M.A.)
- Milgram, Jerome H. and Van Houten, Robert J. Mechanics of a restrained layer of floating oil above a water current. (JH) 93
- Milhoan, James D. (PS, V. 59; see Scott, Carl D.)
- Millar, R.A. (JGC; see Vigneron, F.R.)
- Millard, J.M. (PS, V. 60; see Curran, D.G.T.)
- Miller, Charles G. Operational experience in the Langley expansion tube with various test gases. (AIAA J, SYN) 195
- Miller, Constance W. Effect of a conducting wall on a stratified fluid in a cylinder. (PS, V. 60) 190
- Miller, J.A. (AIAA J; see Kee, R.J.)
- Miller, M.P. and Mays, R.A. Transportation and the U.S. petroleum resource: an aviation perspective. (JE) 259
- Miller, R.I. and Johnston, M.H. Theoretical models for metal growth in space-comparison to ground experiments. (AIAA J) 439
- Miller, W.J. (PS, V. 59; see Thorpe, R.D.)
- Millward, Adrian Use of a water channel for model tests on planing hulls. (JH) 129
- Mirandy, Louis Dynamic loads scaling methodology for helicopter rotors. (JA) 106
- Mishra, J.N. and Das, Indushekhher Influence of rear body eccentricity on supersonic base pressure. (AIAA J) 166
- Mitchell, J.G. (JA, EN; see Swain, R.L.)
- Mittal, M.L. and Sarma, P.R.L. End effects in magnetohydrodynamic channel due to Hall currents. (JE, TN) 126
- Mixson, John S. (JA; see Willis, Conrad M.)
- Mixon, John S., Barton, C. Kearney, and Vaicaitis, Rimas Investigation of interior noise in a twin-engine light aircraft. (JA) 227
- Mockovciak, John, Jr. and Adornato, Rudolph J. Satellite power system LEO vs GEO assembly issues. (JE) 40
- Modi, V.J. (JSR; see Van der Ha, J.C.)
- Modi, V.J. and Poon, D.T. Free vibration of neutrally buoyant inflatable cantilevers in the ocean environment. (JH) 55
- Moffat, Robert J. (AIAA J; see Coleman, Hugh W.)
- Mohr, Richard L. (JA; see Bennett, Robert M.)
- Moiseev, N., Lakshminarayana, B., and Thompson, D.E. Noise due to interaction of boundary-layer turbulence with a compressor rotor. (JA) 53
- Mokry, M. Comment on "Analysis of transonic cascade flow using conformal mapping and relaxation techniques". (AIAA J, TC) 96
- Monaco, S.J., Audley, D.R., and Okubo, S. Schuler tuned vertical indicating system. (JGC) 413
- Monson, Daryl J. Systems efficiency and specific mass estimates for direct and indirect solar-pumped closed-cycle high-energy lasers in space. (PS, V. 61) 333
- Mooij, H.A. and van Gool, M.F.C. Flight test of stick force stability in attitude-stabilized aircraft. (JA,) 562
- Moore, F.G. (JA; see Frierson, J.L.)
- Moore, Frank G. and Swanson, Roy C. Jr. Dynamics derivatives for missile configurations to Mach number three. (JSR, SYN) 65
- Moran, James P. (JSR, SYN; see Draper, James Stark)
- Mori, Yasuo (AIAA J, see Okazaki, Ken)
- (AIAA J, see Yabe, Akira)
- Morrow, L.D. (JGC, SP; see Garg, S.C.)
- Morton, J.B., Catalano, G.D., and Humphris, R.R. Some two-point statistical properties of a three-dimensional wall jet. (AIAA J) 693
- Moses, Hal L., Jones, Ralph R., III, O'Brien, Walter F., Jr., and Peterson, Ronald S. Simultaneous solution of the boundary layer and freestream with separated flow. (AIAA J) 61
- Moss, James N., Zoby, E. Vincent, Sutton, Kenneth, and Anderson, E. Clay Aerothermal environment for the Pioneer Venus multiprobe mission. (PS, V. 59) 3
- Mourad, A.G. and Robinson, A.C. Applications of Seasat to the offshore oil, gas, and mining industries. (JH) 137
- Muirhead, Vincent U. (JSR; see Sorensen, Trevor C.)
- Mulley, W.G. (JA; see Watler, J.F., Jr.)
- Münzel, W.D. (JE; see Groll, M.)
- Murphy, Charles H. Influence of moving internal parts on angular motion of spinning projectiles. (JGC) 117
- Murphy, John A. Diagnostic system requirements for helicopter propulsion systems. (JA) 333
- Murray, A.L. (AIAA J, TN; see Waskiewicz, John D.)
- Murray, Alvin L. and Lewis, Clark H. Hypersonic three-dimensional viscous shock-layer flows over blunt bodies. (AIAA J) 1279
- Murray, Linus P. (PS, V. 59; see Scott, Carl D.)
- Murrow, Harold N. (JGC; see Abel, Irving)
- Murthy, V.R. Reply by author to W.F. White Jr. (AIAA J, TC) 542
- Murthy, V.S. and Rose, W.C. Detailed measurements on a circular cylinder in cross flow. (AIAA J, SYN) 549
- Wall shear stress measurements in a shock-wave boundary-layer interaction. (AIAA J) 667
- Muthukrishnan, M., Strahle, W.C., and Neale, D.H. Separation of hydrodynamic, entropy, and combustion noise in a gas turbine combustor. (AIAA J) 320
- Myers, M.K. and McAninch, G.L. Parabolic approximation for sound propagation in the atmosphere. (AIAA J) 836
- Nadai, Yoshikazu (AIAA J; see Kimura, Takeyoshi)
- Nagalingam, Samuel J.S. (PS, V. 61; see Boody, Frederick P.)
- (PS, V. 61; see Prelas, M.A.)
- Nagib, H.M. (AIAA J; see Wigeland, R.A.)
- Nagib, H.M. and Hodson, P.R. Vortices induced in a stagnation region by wakes. (PS, V. 59) 66
- Nair, S. and Hegemier, G. Effect of initial stresses on the small deformations of a composite rod. (AIAA J) 212
- Narayan, K.Y. Leaside flowfield and heat transfer of a delta wing at $M_\infty = 10$. (AIAA J) 160
- Narkis, Yehli Deployment forces in towing systems. (JA, EN) 123
- Nast, T.C., Barnes, C.B., and Wedel, R.K. Development and orbital operation of a two-stage solid cryogen cooler. (JSR) 85
- Nath, G. and Kumari, M. Unsteady three-dimensional compressible stagnation-point boundary layers. (AIAA J, TN) 1007
- Nath, Yogendra Nonlinear structural response to sonic booms. (AIAA J, SYN) 865
- Nayak, U.S.L. (JA; see Stevens, S.J.)
- Nayfeh, Adnan H. and Hefzy, Mohamed S. Continuum modeling of three-dimensional truss-like space structures. (AIAA J) 779

- Nayfeh, Ali H. and Kandil, Osama A. Propagation of waves in cylindrical hard-walled ducts with generally weak undulations. (AIAA J) 1041
- Nayfeh, A.H., Shaker, B.S., and Kaiser, J.E. Computation of nonlinear one-dimensional waves in near-sonic flows. (AIAA J) 1154
- Neale, D.H. (AIAA J, see Muthukrishnan, M.)
- Neale, D.H., Hubbart, J.E., Strahle, W.C., and Wilson, W.W. Effects of external compression on an axisymmetric turbulent near wake. (AIAA J) 940
- Nebolsine, Peter E. (AIAA J, TN; see Wu, Peter K.)
- Nelson, C.W. (AIAA J, SYN; see Horst, A.W.)
- Nelson, Edward (JE; see Fox, Herbert)
- Nerney, B. (AIAA J, TC; see Schetz, J.A.)
- Nestler, D.E. High-pressure arc test performance of carbon-carbon nose tips. (PS, V. 59) 351
- Netzer, David W. Model applications to solid-fuel ramjet combustion. (JSR, SYN) 263
--(JSR, SYN; see Mady, C.J.)
- Newman, Richard L. KC-135 boom operator's head-up display. (JA, EN) 124
- Newton, D.W. An integrated approach to the problem of aircraft icing. (JA) 374
- Newton, J. (AIAA J; see Cassady, P.)
- Ng, B. Sung-Hong (AIAA J, SYN; see Huffman, G. David)
- Nicolet, W.E., Waterland, L.R., and Kendall, R.M. Methods for predicting radiation-coupled flowfields about planetary entry probes. (PS, V. 59) 120
- Nield, D.A. Comment on "thermal instability of a viscosity stratified fluid layer heated from below". (AIAA J, TC) 287
- Nielsen, J.N. (JA; see McMillan, O.J.)
- Nietubicz, Charles J. (AIAA J; see Sturek, Walter B.)
- Nigam, A. (JA, EN; see Raju, S.P. Govinda)
- Nissim, E. Comparative study between two different active flutter suppression systems. (JA) 843
- Nixon, David Perturbation of a discontinuous transonic flow. (AIAA J) 47
--Notes on the transonic indicial method. (AIAA J, TN) 613
--Perturbations in two- and three-dimensional transonic flows. (AIAA J) 699
--Calculation of unsteady transonic flows using the integral equation method. (AIAA J) 976
- Nixon, Geoffrey (JSR; see Carey, Lee)
- Niyogi, Pradip Transonic integral equation formulation for lifting profiles and wings. (AIAA J, TN) 92
- Noor, Ahmed K., Anderson, Melvin S., and Greene, William H. Continuum models for beam- and platelike lattice structures. (AIAA J) 1219
- Norris, Dean R. (JSR, EN; see Johnson, William R.)
- Nowlan, D.T. (JSR; see Hall, D.W.)
- Nydahl, J.E. (JSR; see Pell, K.M.)
- Oberth, A.E. Functionality determination of hydroxyl-terminated prepolymers. (AIAA J) 919
- O'Brien, Walter F., Jr. (AIAA J; see Moses, Hal L.)
- Ogniewicz, Y. and Yovanovich, M.M. Effective conductivity of regularly packed spheres: basic cell model with constriction. (PS, V. 60) 209
- Ohtakay, H. (JGC; see Havens, W.F.)
- Ohtake, Kazutomo (AIAA J, see Okazaki, Ken)
- Ojalvo, I.U. and Eidinoff, H.L. Bond thickness effects upon stresses in single-lap adhesive joints. (AIAA J) 204
- Okazaki, Ken, Mori, Yasuo, Hijikata, Kunio, and Ohtake, Kazutomo Electrothermal instability in the seeded combustion gas boundary layer near cold electrodes. (AIAA J) 334
- Okubo, S. (JGC; see Monaco, S.J.)
- Oliver, T.K., Groves, W.N., Gruber, C.L., and Cheung, A. Energy from humid air (JE, TN) 63
- Ollendorf, S. (PS, V. 60; see Harwell, W.)
- Olsen, D.C. (JSR; see Surber, T.E.)
- Olsson, Ulf Supersonic flutter of heated circular cylindrical shells with temperature-dependent material properties. (AIAA J) 360
- Oman, Richard A. (JE; see Gilbert, Barry L.)
- Onstott, E.D. and Faulkner, W.H. Discrete maneuver pilot models for flying qualities evaluation. (JGC) 97
- Opalka, Klaus O. (AIAA J; see Sturek, Walter B.)
- Ordway, Frederick I. (JE; see Seamans, Robert C., Jr.)
- Orlik-Rückemann, K.J. (JA; see Hanff, E.S.)
- Orloff, Kenneth L. (JA; see Corsiglia, Victor R.)
- Ostrach, Simon and Pradhan, Avind Surface-tension induced convection at reduced gravity. (AIAA J) 419
- Owen, F.K. Laser velocimeter measurements of the structure of turbulent spray flames. (PS, V. 58) 229
- Packman, A.B. (AIAA J; see Larson, R.S.)
- Padula, S.L. and Liu, C.H. Acoustic scattering of point sources by a moving prolate spheroid. (AIAA J, SYN) 551
- Page, R.H. (PS, V. 59; see Inoue, Y.)
--(AIAA J; see Merz, R.A.)
- Pallone, A. (JSR; see Siegelman, D.)
- Palmer, A.Jay Radiatively sustained cesium plasmas for solar electric conversion. (PS, V. 61) 201
- Pantell, R.H. (PS, V. 61; see Kimura, W.D.)
- Panton, Ronald L. Equations governing surface streamlines. (AIAA J, TN) 407
- Papazian, J.M. and Wilcox, W.R. Interaction of bubbles with solidification interfaces. (AIAA J) 447
- Papirno, Ralph Design plastic stress concentration factors using Ramberg-Osgood stress-strain parameters. (AIAA J, TN) 273
- Pappas, Michael Optimal frequency separation of cylindrical shells. (AIAA J, TN) 999
- Paraschivoiu, Ion and Bilgen, Ertugrul Pressure distribution on a symmetrical butterfly wing. (JA, EN) 444
- Parazzoli, C.G. Electron-beam-stabilized discharge in a flowing medium: numerical calculations. (AIAA J) 592
- Pardo, Harry (JA; see Isakson, Gabriel)
- Parekh, B.K. (JE; see Hewitt, H.C., Jr.)
- Park, Chul and Fujiwara, Toshihiko Shock-tube studies of silicon-compound vapors. (PS, V. 59) 137
- Parkin, Blaine R. Turbulent separation avoidance for tail-loaded fully cavitating hydrofoil sections. (JH) 35
- Parnes, R. Reply by author to D.J. Johns. (AIAA J, TC) 1115
--Reply by author to A.H. Flax. (AIAA J, TC) 1117
- Parra, C.G. (JSR; see Leitao, C.D.)
- Parthasarathy, S.P., Cuffel, R., and Massier, P.F. Influence of internally generated pure tones on the broadband noise radiated from a jet. (AIAA J, TN) 538
- Patankar, S.V. (AIAA J; see DeJoode, A.D.)
- Patel, M.H. Aerodynamic forces on finite wings in oscillatory flow: an experimental study. (AIAA J) 1175
- Paulson, John W., Jr. (JA; see Thomas, James L.)
- Payne, Peter R. The performance potential of semisubmerged ships. (JH) 149
- Paynter, Gerald C. (JA; see Birch, Stanley F.)
- Pazienza, J. (AIAA J; see Sforza, P.M.)
- Pearce, Blaine E. Radiative heat transfer within a solid-propellant rocket motor. (JSR, EN) 125
- Pearson, A.E. (JGC; see Wei, K.C.)
- Pell, K.M., Nydahl, J.E., Conard, R.G., and Brown, D.B. A laser system to measure rocket attitude in flight. (JSR) 224
- Penland, Jim A., Dillon, James L., and Pittman, Jimmy L. An aerodynamic analysis of several hypersonic research airplane concepts from M=0.2 to 6.0. (JA) 716
- Pepitone, Thomas R. and Jacobson, Ira D. Resonant behavior of a symmetric missile having roll orientation-dependent aerodynamics. (JGC) 335
- Pergament, H.S. (PS, V. 59; see Thorpe, R.D.)
- Perry, Boyd, III (JGC; see Abel, Irving)
- Perry, Richard L. (JE; see Lee, George)
- Pérulli, Mariano (AIAA J, SYN; see Avezard, Léon)
- Peters, James E. (PS, V. 62; see Lefebvre, Arthur H.)
- Peterson, D.L. (PS, V. 59; see Kesseling, J.P.)
- Peterson, Ronald S. (AIAA J; see Moses, Hal L.)
- Petrie, G.L. (JH; see Hoffman, D.)
- Pfefferle, William C. The catalytic combustor: an approach to cleaner combustion. (JE) 142
- Pfizenmaier, Eberhard (AIAA J, SYN; see Bechert, Dietrich W.)
- Phan, T. (AIAA J, TN; see Hung, R.J.) (AIAA J, ERR; see Hung, R.J.)
- Pi, W.S. and Hwang, Chintsun Non-Gaussian gust model for aircraft response analysis. (AIAA J, SYN) 641
- Pian, T.H.H. (AIAA J; see Lee, S.W.)
- Pierce, F.J. (AIAA J, SYN; see Ezekwe, C.I.)
- Piestrup, M.A. (PS, V. 61; see Kimura, W.D.)
- Piland, Robert O. The solar power satellite concept evaluation program. (PS, V. 61) 3
- Pimenta, Marcos M. (AIAA J; see Coleman, Hugh W.)
- Pipes, J.G., Roux, J.A., Smith, A.M., and Scott, H.E. Infrared transmission of contaminated cryocooled optical windows. (AIAA J) 984
- Pirri, A.N., Root, R.G., and Wu, P.K.S. Plasma energy transfer to metal surfaces irradiated by pulsed lasers. (AIAA J) 1296
- Pittman, J.L. (JA; see Johnston, P.J.) (JA, ERR; see Johnston, P.J.)
--(JA; see Penland, Jim A.)
- Platus, D.H. and Wolkovitch, Julian Method for design of feedback control to limit missile dispersion. (JGC) 440
- Platzer, M.F. (AIAA J; see Simmons, J.M.)
- Platzer, Max F. and Margason, Richard J. Prediction methods for jet V/STOL propulsion aerodynamics. (JA, SP) 69
- Platzer, M.F., Simmons, J.M., and Bremhorst, K. Entrainment characteristics of unsteady subsonic jets (AIAA J, TN) 282
- Plee, S.L. and Mellor, A.M. Flame stabilization in simplified prevaporizing, partially vaporizing, and conventional gas turbine combustors. (JE) 346
- Plotkin, Allen High-frequency subsonic flow past a pulsating thin airfoil. (AIAA J, TN) 405
--High-frequency subsonic flow past a pulsating thin airfoil II: gust-type upwash. (AIAA J, TN) 753
- Poon, D.T. (JH; see Modi, V.J.)
- Pope, S.B. An explanation of the turbulent round-jet/plane-jet anomaly. (AIAA J, TN) 279

- Poslajko, F. (PS, V. 59; see Harwell, K.E.)
- Powell, Homer M. (JSR; see McCay, T. Dwayne)
- (PS, V. 58; see Williams, W.D.)
- Powers, William F., Cheng, Bang-Dar, and Edge, Ernest R. Singular optimal control computation. (JGC) 83
- Pradhan, Avind (AIAA J; see Ostrach, Simon)
- Prasad, Anant Effect of temperature-dependent heat capacity on aerodynamic ablation of melting bodies. (AIAA J, TN) 1004
- Prasad, Anant and Sinha, S.N. Reply by authors to B.T.F. Chung and L.T. Yeh. (AIAA J, TC) 639
- Prasad, G. (JSR, SYN; see Kishore, K.)
- Prasad, Mohan (AIAA J, TN; see Shankar, Rama)
- Prathap, Gangan Nonlinear vibration of beams with variable axial restraint. (AIAA J, TN) 622
- Comment on "A finite-element approach for nonlinear panel flutter." (AIAA J, TC) 863
- Prathap, Gangan and Varadan, T.K. Large-amplitude free vibration of tapered hinged beams. (AIAA J, TN) 88
- Prelas, Mark A. (PS, V. 61; see Boody, Frederick P.)
- Prelas, M.A., Anderson, J.H., Boody, F.P., Nagalingam, S.J.S., and Miley, G.H. Nuclear pumping of neutral carbon laser. (PS, V. 61) 411
- Preston, J.F. (JA; see Stevens, S.J.)
- Preston, J.L., Jr. (JA; see Cook, T.S.)
- Price, L.L. (PS, V. 58; see Williams, W.D.)
- Prior, D.S., Swithenbank, J., and Felton, P.G. Stirred reactor modeling of a low-pollution liquid-fueled combustor. (PS, V. 58) 351
- Prydz, Roland A. (AIAA J; see Revell, James D.)
- Przirembel, C.E.G. (AIAA J; see Merz, R.A.)
- Przirembel, C.E.G. and Fletcher, L.S. Aerothermodynamic characteristics of a resonance tube driven by a subsonic jet. (AIAA J, TN) 184
- Purohit, Sharad Chandra Real gas effects in a pulsed laser propulsion system. (AIAA J, TN) 1309
- Purvis, George D., III (PS, V. 61; see Walter, Craig T.)
- Putnam, Abbott A. (JE, TN; see Giammar, Robert D.)
- Pytlinski, J.T. Assessment of energy conservation using solar energy in Kansas. (JE, TN) 250
- Quadrini, John A. and McCreight, Craig R. Thermal diode heat pipe for cryogenic applications. (PS, V. 60) 39
- Radkey, R.L., Welge, H.R., and Roensch, R.L. Aerodynamic design of a Mach 2.2 supersonic cruise aircraft. (JA) 351
- Radovich, N.A. (JA; see Wright, B.R.)
- Rae, William H., Jr. (JA, EN; see Shindo, Shojiro)
- Raffy, P., Lewy, S., Lambourion, J., and Chatanier, M. Investigation of fan noise sources by blade pressure measurements. (AIAA J, SYN) 777
- Ragsdale, W.C. and Horanoff, E.V. Investigation of a side force due to ablation. (AIAA J, TN) 1010
- Raj, Pradeep and Gray, Robin B. Computation of two-dimensional potential flow using elementary vortex distributions. (JA, EN) 698
- Raj, Pradeep and Iversen, J.D. Inviscid interaction of trailing vortex sheets approximated by point vortices. (JA, EN) 857
- Rajendra, G. (JSR; see Ramaswamy, M.A.)
- Raju, B. Basava, Chandra, Ramesh, and Rao, M. Subba Transient temperatures in laminated composite conical shells due to aerodynamic heating. (AIAA J, SYN) 547
- Raju, S.P. Govinda, Holla, V.S., Nigam, A., and Verghese, M.P. Development of a vorticity meter. (JA, EN) 799
- Ramachandra, Sridhar M. Comparison of predicted and flight test trajectories of stores jettisoned from aircraft. (JA, SYN) 641
- Ramakrishnan, S.V. and Subramanian, N.R. Flow past nonconical wings with separation. (JA, EN) 383
- Ramanathan, R.K. (AIAA J; see Schmit, L.A., Jr.)
- Ramaswamy, M.A. and Rajendra, G. Experimental investigation of transonic flow past a blunt cone-cylinder. (JSR) 120
- Ramberger, R. Optimization of the current profile in MHD generators. (AIAA J) 740
- Ranken, W.A. and Koenig, D.R. Reply by authors to R.E. English. (JE, TC) 192
- Rao, Balusu M. and Schatzle, Paul R. Analysis of unsteady airloads of helicopter rotors in hover. (JA) 206
- Rao, K.V.C., Sreedhar, Jayadev, Varghese, T.L., and Gowariker, V.R. New prepolymer: lactone-terminated polybutadiene (LTPB) for high-energy solid propellants. (JSR) 293
- Rao, M. Subba (AIAA J, SYN; see Raju, B. Basava)
- Rao, Prabhakara P. Monte Carlo analysis of impulse requirements for injection error correction. (JGC) 225
- Rao, V. Kuppu and Dey, Jyotirmoy A note on turbulent swirling flows. (AIAA J, TN) 409
- Rastogi, A.K. and Rodi, W. Calculation of general three-dimensional turbulent boundary layers. (AIAA J) 151
- Rastogi, R.P., Singh, H.J., Deepak, Desh, and Srivastava, A.K. Pressure dependance of burning rate of composite solid propellants. (AIAA J, TN) 534
- Rather, John D. G. New candidate lasers for power beaming and discussion of their applications. (PS, V. 61) 313
- Ray, Asok, Berkowitz, David A., and Sumaria, Venilal H. Modeling and simulation of a multicell fluidized-bed steam generator. (JE) 269
- Raymonda, J.W. (AIAA J; see Zelazny, S.W.)
- Reddy, M.N. In-plane functions of circular sector plates. (AIAA J, TN) 608
- Reding, J. Peter (AIAA J, see Ericsson, Lars E.)
- (JA, ERR; see Ericsson, L.E.)
- (JSR, TC; see Ericsson, L.E.)
- (JA; see Ericsson, Lars E.)
- Reding, J. Peter and Ericsson, Lars E. Maximum vortex-induced side force. (JSR) 201
- Rees, T. and Fearn, D.G. N-S stationkeeping by 10-cm ion thruster. (JSR) 147
- Regnier, W.W. and Hess, D.A. Design and development of a passive propellant management system. (JSR) 299
- Reid, Lloyd D. Correlation model for turbulence along the glide path. (JA) 13
- Reif, T.H. and Guenther, D.A. A comparative study of the aerodynamics and hydrodynamics of a tunnel boat hull. (JH, EN) 166
- Reilly, D.A. (PS, V. 61; see Douglas-Hamilton, D.H.)
- Reilly, James P. (AIAA J, SYN; see Shui, Ven H.)
- Reinecke, William G. Drop breakup and liquid jet penetration. (AIAA J, TN) 618
- Reinhardt, A.H., Jr. (JA; see Dieck, R.H.)
- Reinkenhof, Josef and Schmucker, Robert H. H_2/O_2 rocket engine steam generator for future power plants. (JE) 100
- Reismann, H. and Meyers, G.J. Dynamics of an initially stressed fluid-immersed cylindrical shell. (JH) 118
- Reklis, Robert P. (AIAA J; see Sturek, Walter B.)
- Reppucci, George M. (JE; see Goldsmith, Paul)
- Revell, James D., Prydz, Roland A., and Hays, Anthony P. Experimental study of aerodynamics noise vs drag relationships for circular cylinders. (AIAA J) 889
- Rhee, H.C. (AIAA J, TN; see Atluri, Satya N.)
- Rhodes, Robert P. (AIAA J, TN; see Sukanek, Peter C.)
- Rice, Edward J. Multimodal far-field acoustic radiation pattern using mode cutoff ratio. (AIAA J) 906
- (AIAA J; see Baumeister, Kenneth J.)
- Rice, Eric Edward Energy impact assessment of NASA's past, present, and future space launch vehicles. (JE) 182
- Richards, Larry G. (JA; see Jacobson, Ira, D.)
- Ricker, Randall E. (JSR; see Dodge, Franklin T.)
- Robbins, Basil E. Water tunnel turbulence measurements behind a honeycomb. (JH) 122
- Robbins, Joseph E. (JE; see Fox, Herbert)
- Roberts, C.C., Jr. A zero-G variable-conductance heat pipe using bubble pump injection. (PS, V. 60) 112
- Roberts, M.L. Engine life, usage, and cycle selection. (JA) 240
- Robinson, A.C. (JH; see Mourad, A.G.)
- Robinson, P.J. (JA; see Stevens, S.J.)
- Rockwell, D.O. (JA; see Schachenmann, A.)
- Rodden, J.J. (JGC; see Weiss, R.)
- Rodden, William P. Comment on "Effect of stabilizer dihedral and static lift on T-tail flutter." (JA, TC) 447
- Rodi, W. (AIAA J; see Rastogi, A.K.)
- Roensch, R.L. (JA; see Radkey, R.L.)
- Roh, Won B. (AIAA J, TN; see Switzer, Gary L.)
- Rom, J. (JA, SYN; see Zorea, C.)
- Romaniuk, Maria S. (AIAA J; see Telionis, Demetri P.)
- Root, R.G. (AIAA J; see Pirri, A.N.)
- Rose, Peter H. (PS, V. 61; see Taussig, Robert T.)
- (AIAA J; see Cassady, P.)
- Rose, W.C. (AIAA J, SYN; see Murthy, V.S.)
- (AIAA J; see Murthy, V.S.)
- Rose, William C. and Seginer, Arnan Calculation of transonic flow over supercritical airfoil sections. (JA) 514
- Rosen, Gerald Requisite temperatures for the stabilization of atomic H in solid H_2 . (AIAA J, TN)
- Rosen, R. and Harvey, D.W. Mixing of a transverse jet with a high Mach number stream. (AIAA J, TN) 1011
- Rosenfeld, M.S. and Huang, S.L. Fatigue characteristics of graphite/epoxy laminates under compression loading. (JA) 264
- Rossov, Vernon J. Effect of wing fins on lift-generated wakes. (JA) 160
- Lift enhancement by an externally trapped vortex. (JA) 618
- Rothbart, G.B. (PS, V. 61; see Kimura, W.D.)
- Roux, J.A. (AIAA J; see Pipes, J.G.)
- Royce, Barrie S.H. (PS, V. 61; see Miles, Richard B.)
- Rubeck, M. (JE; see Beverly, W.D.)
- Rubins, P.M. and Marchionna, N.R. Evaluation of NO_x prediction-correlation equations for small gas turbines. (JA) 497
- Rudd, J.L. and Gray, T.D. Quantification of fastener-hole quality. (JA) 143
- Rueping, J.E., Hillberry, B.M., Mettler, S.C., and Stevenson, W.H. Comparative study of fatigue crack closure. (AIAA J, TN) 413

- Rugg, Barry A. (JE; see Hoffert, Martin I.)
- Ruppik, Hans G. Interactions of steep-fronted pressure waves with a heterogeneous combustion field. (AIAA J) 197
- Rushmore, W.L. (PS, V. 58; see Zelazny, S.W.)
- Rutkowski, M.J. (JA; see Crittenden, J.B.)
- Saari, David P. (JA; see Heinrich, H.G.)
- Saaski, E.W. and Tower, L. Two-phase working fluids for the temperature range 100⁰-350⁰C. (PS, V. 60) 63
- Saber, A.J. and Jahn, R.G. Anode power in quasisteady magnetoplasma dynamic accelerators. (AIAA J) 328
- Sachs, Gottfried Minimum trimmed drag and optimum c.g. position. (JA) 456
- Sadeh, Willy Z. (AIAA J; see Koper, Chester A., Jr.)
- Sadeh, Willy Z. and Koper, Chester A., Jr. Method for determining the weak statistical stationarity of a random process. (AIAA J) 1196
- Salter, Robert M. Application of electron beams in space for energy storage and optical beam generation. (PS, V. 61) 81
- Salvesen, Nils. Added resistance of ships in waves. (JH) 24
- San Miguel, Anthony Antimisting fuel kinematics related to aircraft crash landings. (JA) 137
- Sarma, P.R.L. (JE, TN; see Mittal, M.L.)
- Sarofim, Adel F. Flame emissivities: alternative fuels. (PS, V. 62) 199
- Sarohia, Virendra (AIAA J, TN; see Back, Lloyd H.)
- Some flight simulation experiments on jet noise from supersonic underexpanded flows. (AIAA J) 710
- Sarohia, V. and Massier, P.F. Experimental results of large-scale structures in jet flows and their relation to jet noise production. (AIAA J) 831
- Sathyamoorthy, M. Vibration of plates considering shear and rotatory inertia. (AIAA J, TN) 285
- Satin, Arthur L. and Gates, Robert L. Evaluation of parity equations for gyro failure detection and isolation. (JGC) 14
- Sato, Koji (JA, SYN; see Kato, Kanichiro)
- Satyanarayana, Bodapati and Davis, Sanford Experimental studies of unsteady trailing-edge conditions. (AIAA J) 125
- Sawdy, David T. (AIAA J; see Beckemeyer, Roy J.)
- Schachenmann, A. and Rockwell, D.O. Prediction of diffuser core flow fluctuations caused by oscillating turbulent flow. (JA) 345
- Schadow, K.C. and Chieze, D.J. Experimental study on base drag reduction with combined lateral and axial injection. (AIAA J) 1084
- Schafer, C.F. and Fichtl, G.H. Spar I Liquid mixing experiment. (AIAA J) 425
- Schatzle, Paul R. (JA; see Rao, Balusu M.)
- Scherz, C.J. and Williams, L.E. Digital computer application in the F-15 engine air inlet control system. (JGC) 420
- Schetz, Joseph A., Daffan, Edward B., and Jakubowski, Antoni K. Turbulent wake behind slender propeller-driven bodies at angle of attack. (AIAA J, SYN) 6
- Schetz, J.A. and Nerney, B. Reply by authors to L.C. Squire. (AIAA J, TC) 640
- Schimmel, Walter P., Jr. (JE; see Larson, David W.)
- Schlack, A.L., Jr. (AIAA J, TC; see Wilgen, F.J.)
- Schmidt, David K. Stochastic properties of conflict frequency at multiple connected air route intersections. (JA) 682
- Schmidt, Edward M. (JSR, EN; see Fansler, Kevin S.)
- Schmidt, E.M. and Shear, D.D. Aerodynamic interference during sabot discard. (JSR) 162
- Schmidt, W.L. (JE; see Bragg, G.M.)
- Schmidt, Wolfgang (AIAA J; see Wagner, Bernhard)
- Schmit, L.A., Jr. and Ramanathan, R.K. Multilevel approach to minimum weight design including buckling constraints. (AIAA J) 97
- Schmucker, Robert H. (JE; see Reinkenhof, Josef)
- Schneyer, G.P. (PS, V. 58; see Boni, A.A.)
- Schock, A. Stirling engine nodal analysis program. (JE) 354.
- Schoenster, James A. (JA; see Willis, Conrad M.)
- Schreiber, Paul W. (AIAA J, TN; see Switzer, Gary L.)
- Schroeder, Lyle C. (JSR; see Jones, W. Linwood)
- Schutzler, J.C. (PS, V. 59; see Sherman, M.M.)
- Schwerzel, Robert E. Methods for the photochemical utilization of solar energy. (PS, V. 61) 626
- Schwind, R.G. (JA; see McMillian, O.J.)
- Schy, A.A. (JGC; see Young, J.W.)
- Scott, Carl D., Murray, Linus P., and Milhoan, James D. Shuttle eleven cove aerodynamic heating by ingested flow. (PS, V. 59) 27
- Scott, H.E. (AIAA J; see Pipes, J.G.)
- Scott-Monck, John A. Advanced silicon solar cell production technology. (JE) 131
- Scrivener, C.T.J. (JA; see Stevens, S.J.)
- Seamans, Robert C., Jr. and Ordway, Frederick I. Energy's challenge to aerospace. (JE) 65
- Sedney, Raymond Model for bomblet ejection from missiles. (JSR) 229
- (JSR; see Kitchens, C.W., Jr.)
- Seebass, A.R. (AIAA J; see Yu, N.J.)
- Seebass, R. (AIAA J; see Fung, K-Y.)
- Seegmiller, H.L., Marvin, J.G., and Levy, L.L., Jr. Steady and unsteady transonic flow. (AIAA J) 1262
- Seginer, Arnan (JA; see Rose, William C.)
- Seiff, Alvin (JSR; see Kirk, Donn B.)
- Sellappan, R. and Bainum, Peter M. Stability of spacecraft during asymmetrical deployment of appendages. (JGC, EN) 446
- Seltzer, S.M. and Shelton, H.L. Specification of spacecraft flexible appendage rigidity. (JGC) 427
- SenGupta, G. Reduction of cabin noise and vibration by intrinsic structural tuning. (AIAA J, SYN) 545
- Sforza, P.M., Stasi, W., Pazienza, J., and Smorto, M. Flow measurements in leading-edge vortices. (AIAA J) 218
- Shaeffer, J.F. Swirl arc: a model for swirling, turbulent, radiative arc heater flowfields. (AIAA J) 1068
- Shaker, B.S. (AIAA J; see Nayfeh, A.H.)
- Shang, J.S. Implicit-explicit method for solving the Navier-Stokes equations. (AIAA J) 496
- Shankar, Rama and Prasad, Mohan Nonuniform propagation of sonic discontinuities through thermally conducting gases. (AIAA J, TN) 852
- Shankar, Vijaya, Kutler, Paul, and Anderson, Dale Diffraction of a shock wave by a compression corner: part II—single Mach reflection. (AIAA J, SYN) 4
- She, C.Y. Generation of new coherent radiation by harmonic conversion and nonlinear mixing for certain applications. (PS, V. 61) 602
- Shear, D.D. (JSR; see Schmidt, E.M.)
- Sheldahl, Robert E., Blackwell, Bennie F., and Feltz, Louis V. Wind tunnel performance data for two- and three-bucket Savonius rotors. (JE) 160
- Shelton, H.L. (JGC; see Seltzer, S.M.)
- Shen, S.F. (AIAA J; see Wang, J.C.T.)
- Sheoran, Y. (JA, SYN; see Hamed, A.)
- Shepperd, Stanley W. (JGC; see Battin, Richard H.)
- Quaternion from rotation matrix. (JGC, EN) 223
- Sherman, M.M. and Schutzler, J.C. Segmented tungsten nose tips for high-performance flight vehicles (PS, V. 59) 382
- Shevell, Richard S. Comment on "Ideal tail load for minimum aircraft drag." (JA, TC) 639
- Shindo, Shojiro and Rae, William H., Jr. Low-speed test limit of V/STOL model located vertically off-center (JA, EN) 253
- Shioda, S. (JE; see Yamasaki, H.)
- Shivamoggi, Bhimsen K. Comment on "High-frequency subsonic flow past a pulsating thin airfoil". (AIAA J, TC) 1310
- Shivananda, T.P., McMahon, H.M., and Gray, R.B. Surface pressure measurements at the tip of a model helicopter rotor in hover. (JA) 460
- Shivashankara, Belur N. Gas turbine core noise source isolation by internal-to-far-field correlations. (JA) 597
- Shrivastava, Shashi Kant Orbital perturbations and stationkeeping of communication satellites. (JSR, SP) 67
- Shui, Ven H., Young, Lee A., and Reilly, James P. Impulse transfer from pulsed CO₂ laser irradiation at reduced ambient pressures. (AIAA J, SYN) 649
- Sicliari, M.J. (JA; see Wohlbe, F.A.)
- Siegel, Sherman H. and Das, Aniruddha Unusual maneuvers on Nimbus and Landsat spacecraft. (JGC, EN) 95
- Siegelman, D. and Pallone, A. Cold gas injection for erosion protection. (JSR) 22
- Sierakowski, R.L. and Ebcioğlu, I.K. Steady creep bending stresses in linearly viscous composites. (AIAA J, TN) 403
- Sigman, R.K., Majjigi, R.K., and Zinn, B.T. Determination of turbofan inlet acoustics using finite elements. (AIAA J) 1139
- Simkins, T.E. Unconstrained variational statements for initial and boundary-value problems. (AIAA J) 559
- Simmons, J.M. (AIAA J, TN; see Platzer, M.F.)
- Simmons, J.M. and Platzer, M.F. A quasisteady theory for incompressible flow past airfoils with oscillating jet flaps. (AIAA J) 237
- Simpson, R.L. and Collins, M.A. Prediction of turbulent boundary layers in the vicinity of separation. (AIAA J, SYN) 289
- (AIAA J, SYN; see Collins, Michael A.)
- Singh, H.J. (AIAA J, TN; see Rastogi, R.P.)
- Sinha, S.N. (AIAA J, TC; see Prasad, Anant)
- Sinnarwalla, Abbas M. and Sundaram, T.R. Lift and drag effects due to polymer injections on a symmetric hydrofoil. (JH) 71
- Siu, D.P. (PS, V. 61; see Guedes, M.P.)
- Sivak, L.D. (JE, TN; see McCluney, W.R.)
- Skelton, Robert E. An algorithm for an approximation of the minimal controller problem. (JGC, EN) 90
- Skelton, Robert E. and Likins, Peter W. Orthogonal filters for model error compensation in the control of nonrigid spacecraft. (JGC) 41
- Slafer, Loren I. (JGC; see Yocum, John F.)
- Slafer, Loren I. and Smay, John W. COMSTAR spacecraft product-of-inertia coupled electronic nutation damper. (JGC) 273
- Slayman, C.W. (PS, V. 61; see Guedes, M.P.)
- Slutsky, Mark S. (PS, V. 61; see George, Thomas F.)
- Sivestad, Reidar (JH; see Brown, Samuel H.)
- Small, R.D. Two-stream mixing: A variational solution. (AIAA J, TN) 83
- Transonic lifting line theory-Numerical procedure for shock-free flows. (AIAA J, TN) 632

- Smay, John W.** (JGC; see Slafer, Loren I.)
- Smith, A.M.** (AIAA J; see Pipes, J.G.)
- Smith, A.M., Wood, B.E., and Fletcher, L.S.** Bidirectional reflectance of H₂O cryofilms on specular and diffusing surfaces. (AIAA J) 510
- Smith, K.O. and Gouldin, F.C.** Experimental investigation of flow turbulence effects on premixed methane-air flames. (PS, V. 58) 37
- Smith, R.E.** (AIAA J, TN; see Hung, R.J.) (AIAA J, ERR; see Hung, R.J.)
- Smith, Ronald C.** (JA; see Farbridge, J.E.)
- Smorto, M.** (AIAA J; see Sforza, P.M.)
- Smy, P.R.** (JE; see Clements, R.M.)
- Soffen, Gerald A.** Mars and the remarkable Viking results. (JSR, Dryden Lectureship in Research) (JSR) 193
- Solomon, W.C.** (AIAA J; see Zelazny, S.W.)
- Soper, William G.** Projectile instability produced by internal friction. (AIAA J) 8
- Sorensen, Trevor C. and Muirhead, Vincent U.** Wind tunnel investigation of low-speed buffeting of the Pioneer Venus probes. (JSR) 34
- Sotomayer, W.A. and Weeks, T.M.** Aerodynamic analysis of supersonic aircraft with subsonic leading edges. (JA) 399
- Soundalgekar, V.M. and Takhar, H.S.** MHD oscillatory flow past a semi-infinite plate. (AIAA J, ERR) 96
- Sowers, John D.** Condensation of free body mass matrices using flexibility coefficients. (AIAA J, TN) 272
- Spalding, D. Brian** A general theory of turbulent combustion. (JE) 16
--A Simple model for the rate of turbulent combustion. (PS, V. 58) 105
--(JA; see Birch, Stanley F.)
- Sperber, B.R.** (JE, TN; see Drexler, K.E.)
- Spreiter, John R.** (AIAA J, SYN; see Chaussee, Denny S.)
- Spurrier, Richard A.** Comment on "Singularity-free extraction of a quaternion from a direction-cosine matrix." (JSR, TC) 255
- Squire, L.C.** Comment on "Turbulent boundary layer with injection and surface roughness." (AIAA J, TC) 639
- Squire, William** Comment on "Potential flow around axisymmetric bodies: direct and inverse problems." (AIAA J, TC) 1120
- Sreedhar, Jayadev** (JSR; see Rao, K.V.C.)
- Sreenivasan, K.R. and Antonia, R.A.** Joint probability densities and quadrant contributions in a heated turbulent round jet. (AIAA J, SYN) 867
- Sreenivasan, K.R., Antonia, R.A., and Stephenson, S.E.** Conditional measurements in a heat axisymmetric turbulent mixing layer. (AIAA J, SYN) 869
- Srivastava, A.K.** (AIAA J, TN; see Rastogi, R.P.)
- Srivastava, B.N., Werle, M.J., and Davis, R.T.** Viscous shock-layer solutions for hypersonic sphere cones. (AIAA J) 137
- Staab, George H.** (JA; see Swaim, Robert L.)
- Stahara, Stephen, S.** (AIAA J, SYN; see Chaussee, Denny S.)
- Stalker, R.J. and Crane, K.C.A.** Driver gas contamination in a high-enthalpy reflected shock tunnel. (AIAA J, TN) 277
- Stalnaker, H.D.** (JA; see Gallagher, J.P.)
- Stangeby, P.C.** (JE; see deLeeuw, J.H.)
--(JE, TN; see Johnston, Sheridan C.)
--(JE, TN; see Chatoorgoon, V.)
--(JE, SYN; see Chatoorgoon, V.)
- Starr, R.F.** Experimental observations of wall interference at transonic speeds. (JA) 822
- Stasi, W.** (AIAA J; see Sforza, P.M.)
- Staufenbiel, Rolf** Some nonlinear effects in stability and control of wing-in-ground effect vehicles. (JA, EN) 541
- Staylor, W. Frank** Determination of stack plume properties from satellite imagery. (JSR) 92
- Steele, W.H. and McKee, H.B.** A precise satellite thermal control system using cascaded heat pipes. (PS, V. 60) 305
- Steen, A.** (JH; see Livesay, B.J.)
- Steger, Joseph L.** Implicit finite-difference simulation of flow about arbitrary two-dimensional geometries. (AIAA J) 679
- Stephenson, S.E.** (AIAA J, SYN; see Sreenivasan, K.R.)
- Stern, P.** (AIAA J; see Almroth, B.O.)
- Stetson, Kenneth F. and Lewis, Arthur B.** Static stability comparison of conical and biconic configuration. (JSR, SYN) 257
- Stevens, G.H.** (JA; see Heller, R.A.)
- Stevens, S.J., Nayak, U.S.L., Preston, J.F., Robinson, P.J., and Scrivener, C.T.J.** Influence of compressor exit conditions on diffuser performance. (JA) 482
- Stevenson, W.H.** (AIAA J, TN; see Rueping, J.E.)
- Stewart, Homer J.** (JA; see Uehara, Sachio)
- Stiewitt, H.** (AIAA J; see Grosche, F.-R.)
- Stirn, Richard J.** Overview of novel photovoltaic conversion techniques at high intensity levels. (PS, V. 61) 136
- Stockman, N.O.** (JA; see Chou, D.C.)
- Strahle, W.C.** (AIAA J, see Muthukrishnan, M.)
--Some statistical considerations in the burning of composite solid propellants. (AIAA J) 843
--(AIAA J; see Neale, D.H.)
- Strahle, Warren C. and Handley, John C.** Solid rocket motor combustion chamber aeroacoustics. (AIAA J, SYN) 1123
- Strehlow, R.A.** (PS, V. 58; see Cooper, L.P.)
- Strickler, Allen** Deflected-lamina electrophoresis (DLE): high performance separation of biologicals in space. (AIAA J) 463
- Stringas, E.J.** (JA; see Clapper, W.S.)
--(JA; see Mani, R.)
- Stuhlinger, Ernst** Electric automobiles? - Yes! (JE) 279
- Stuhmiller, James H.** Numerical calculation of the stability of parallel flows. (AIAA J) 962
- Sturek, Walter B., Dwyer, Harry A., Kayser, Lyle D., Nietubicz, Charles J., Reklis, Robert P., and Opalka, Klaus O.** Computations of Magnus effects for a yawed, spinning body of revolution. (AIAA J) 687
- Stwalley, William C.** Laser manipulation of metallic vapors. (PS, V. 61) 593
- Subramanian, N.R.** (JA; see Ramakrishnan, S.V.)
- Suchsland, K.E.** (PS, V. 59; see Kesselring, J.P.)
- Suelau, H.J.** (PS, V. 60; see Brennan, P.J.)
- Sugavanam, A.** (AIAA J; see Wu, J.C.)
- Sukanek, P.C. and Davis, L.P.** A band model for calculating radiance and transmission of water vapor and carbon dioxide. (PS, V. 59) 204
- Sukanek, Peter C. and Rhodes, Robert P.** Centerline formulation in the numerical computation of axisymmetric flows. (AIAA J, TN) 1099
- Sullivan, M.C.** Flow breakdown for wings in ground effect. (JA, EN) 859
- Sumaria, Venilal H.** (JE; see Ray, Asok)
- Summerfield, Martin** (AIAA J; see Gany, Alon)
- Sun, Kenneth W.** (PS, V. 61; see Hertzberg, Abraham)
- Sundaram, T.R.** (JH; see Sinnarwalla, Abbas M.)
- Suo, M.** (JE; see Dring, R.P.)
- Surber, T.E. and Olsen, D.C.** Space Shuttle Orbiter aerodynamic development. (JSR) 40
- Sutherland, Louis C.** Scaling law for estimating liquid propellant explosive yields. (JSR, EN) 124
- Sutton, Kenneth** (PS, V. 59; see Moss, James N.)
- Suzuki, Hiroshi** (AIAA J; see Kuriki, Kyoichi)
- Suzuki, Tateyuki** Carbon vaporization into a nonequilibrium, stagnation-point boundary layer. (AIAA J, TN) 754
- Swaim, Robert L.** Ride quality flight testing. (JGC, EN) 159
- Swaim, Robert L. and Staab, George H.** Prediction of elastic-airplane lateral dynamics from rigid-body aerodynamics. (JA) 392
- Swain, R.L. and Michell, J.G.** Simulation of turbine engine operational loads. (JA, EN) 381
- Swamy, N.V.C.** (JE, TN; see Gowda, B.H.L.)
- Swanson, Roy C. Jr.** (JSR, SYN; see Moore, Frank G.)
- Swift, M. Robinson** (JH; see Carrier, Robert)
- Swift, M. Robinson and Lebel, David** Heave motion of air cushion vehicles. (JH, EN) 85
- Swithenbank, J.** (PS, V. 58; see Prior, D.S.)
- Switzer, Gary L., Meyers, Carl G., Jr., Roh, Won B., and Schreiber, Paul W.** Gas breakdown thresholds in flame induced by ruby laser. (AIAA J, TN) 766
- Syred, N. and Dahman, K.R.** Effect of high levels of confinement upon the aerodynamics of swirl burners. (JE) 8
- Szebehely, Victor** Celestial mechanics during the two decades 1957-1977. (JGC, SP) 387
- Szodruch, Joachim** Reynolds number influence on leeside flowfields. (AIAA J, TN) 1306
- Tabakoff, W.** (JE, TN; see McFarland, E.)
--(JA, SYN; see Hamed, A.)
- Tabi, Rifat** (JE; see Fox, Herbert)
- Takahashi, Sennosuke** Preparation of SiC whisker-reinforced silver composite material on Skylab. (AIAA J) 452
- Takano, T. and Kotani, Y.** Transition and structure of turbulent jet diffusion flames. (PS, V. 58) 19
- Takeuchi, Donald I.** (JE; see Hedrick, J. Karl)
- Takhar, H.S.** (AIAA J, ERR; see Soundalgekar, V.M.)
- Taki, S. and Fujiwara, T.** Numerical analysis of two-dimensional nonsteady detonations. (AIAA J) 73
- Talaat, Mostafa E.** A pressurized-liquid concept for solar-thermal energy storage. (JE) 136
- Tam, C.K.W.** (AIAA J; see Yu, J.C.)
- Tanaka, T. and Kawase, S.** A high-speed integration method for the satellite's ephemeris generation. (JGC, EN) 222
- Tang, S.P. and Fenn, J.B.** Experimental determination of the discharge coefficients for critical flow through an axisymmetric nozzle. (AIAA J) 41
- Tatchell, D.G.** (JA; see Birch, Stanley F.)
- Taussig, Robert T., Cassidy, Philip E., and Zumdieck, John F.** Study, optimization, and design of a laser heat engine. (PS, V. 61) 498
- Taussig, Robert T., Rose, Peter H., Zumdieck, John F., and Hertzberg, Abraham** Energy exchanger technology applied to laser heated engines. (PS, V. 61) 465
- Taylor, Allan H.** (JA; see Jackson, L. Robert)
- Taylor, Allan H. and Jackson, L. Robert** Heat-sink structural design concepts for a hypersonic research airplane. (JA) 199
- Taylor, D.S.** (JE; see Yule, A.J.)
--(JE; see Ungut, A.)

- Taylor, J.J. (AIAA J, TN; see Hoyt, J.W.)
 Taylor, J.M. (JSR; see Johnson, C.)
 Telonis, Demetri P. and Romaniuk, Maria S. Velocity and temperature streaming in oscillating boundary layers. (AIAA J) 488
 Tennant, J.S., Johnson, W.S., and Keaton, D.D. Boundary-layer flows from fixed to moving surfaces including gap effects. (JH) 81
 Tenney, D.R. and Unnam, J. Analytical prediction of moisture absorption in composites. (JA) 148
 Teske, M.E. (AIAA J; see Bilanin, A.J.)
 Thiele, Frank Chemical equilibrium compositions of hydrogen-oxygen-nitrogen systems. (AIAA J, TN) 1108
 Thomas, D.J. (JA, SYN; see Willmarth, W.W.)
 Thomas, James L. (JA; see Campbell, John P.)
 Thomas, James L., Paulson, John W., Jr., and Yip, Long P. Deflected thrust effects on a close-coupled canard configuration. (JA) 287
 Thompson, D.E. (JA; see Moiseev, N.)
 Thompson, R.W. (PS, V. 61; see Alger, D.L.)
 Thornton, Catherine L. (JGC; see Jacobson, Robert A.)
 Thornton, Catherine L. and Jacobson, Robert A. Linear stochastic control using the UDU^T matrix factorization. (JGC) 232
 Thornton, Earl A. and Wieting, Allan R. Finite-element methodology for thermal analysis of convectively cooled structures. (PS, V. 60) 171
 Thorpe, R.D., Miller, W.J., and Pergament, H.S. A comparison of calculated and measured rocket plume infrared radiation. (PS, V. 59) 177
 Tinoco, E.N. (JA; see Chen, A.W.)
 Todd, Edward S. (JA; see White, John L.)
 Tong, Kwok-On, Knight, Charles J., and Avidor, Joel M. Flow generated by an array of eccentric porous tubes. (AIAA J, TN) 747
 Tower, L.K. (PS, V. 60; see Harwell, W.)
 --(PS, V. 60; see Saaski, E.W.)
 Trankle, Thomas L. (JGC; see Gupta, Narendra K.)
 Trankle, Thomas L. and Bryson, Arthur E., Jr. Control logic to track outputs of a command generator. (JGC) 130
 Treder, Alfred J. (JGC; see Breckenridge, William G.)
 Trobaugh, Lynn A. (JA; see Englar, Robert J.)
 Tseng, G.T. and Mahn, R.H., Jr. Flexible spacecraft control design using pole allocation technique. (JGC, EN) 279
 Tulin, M.P. (JH, EN; see Wu, J.)
 Turner, Robert E. (AIAA J; see Koper, Chester A., Jr.)
 Uehara, Sachio, Stewart, Homer J., and Wood, Lincoln J. Minimum-time loop maneuvers of jet aircraft. (JA) 449
 Ungut, A. (PS, V. 58; see Yule, A.J.)
 Ungut, A., Yule, A.J., Taylor, D.S., and Chigier, N.A. Particle size measurement by laser anemometry. (JE) 330
 Unnam, J. (JA; see Tenney, D.R.)
 Vaicaitis, Rimas (JA; see Mixson, John S.)
 Vaidya, P.G. and Wang, K.S. Nonlinear resonance as the cause of multiple pure tones. (JA) 526
 Vanderbilt, D. (AIAA J, TN; see Loeffler, A.L., Jr.)
 Van der Ha, J.C. and Modi, V.J. Orbital perturbations and control by solar radiation forces. (JSR) 105
 van Gool, M.F.C. (JA; see Mooij, H.A.)
 Van Houten, Robert J. (JH; see Milgram, Jerome H.)
 VanLandingham, H.F. and Meirovitch, L. Digital control of spinning flexible spacecraft. (JGC) 347
 Van Meter, R.L. (JA; see Frierson, J.L.)
 Varadan, T.K. (AIAA J, TN; see Prathap, Gangan)
 Varghese, T.L. (JSR; see Rao, K.V.C.)
 Varma, A.K., Fishburne, E.S., and Donaldson, C. duP. Aspects of turbulent combustion. (PS, V. 58) 117
 Varsamov, Kiril and Haimov, Anri Axisymmetric potential flow in ducts. (JH) 78
 Veitengruber, J.E. Design criteria for aircraft warning, caution, and advisory alerting systems. (JA) 574
 Venkatesan, C. Comparison of linear and nonlinear dampers for landing gears. (JA, EN) 696
 Venkayya, Vipperla B. (JA; see Isakson, Gabriel)
 Venkayya, V.B., Khot, N.S., and Eastep, F.E. Vulnerability analysis of optimized structures. (AIAA J) 1189
 Venturino, Michael S. (JGC; see Hollister, Walter M.)
 Verette, R.M. (JA; see Labor, J.D.)
 Verghese, M.P. (JA, EN; see Raju, S.P. Govinda)
 Vershure, R.W., Jr., Fisk, H.R., and Vonada, J.A. Demonstration of cooled laminated integral axial turbine. (JA) 735
 Viegas, J.R. and Coakley, T.J. Numerical investigation of turbulence models for shock-separated boundary-layer flows. (AIAA J, SYN) 293
 Vieth, G.L. (JE; see Beverly, W.D.)
 Vigneron, F.R. and Millar, R.A. Flight performance of the stabilization system of the Communications Technology Satellite. (JGC) 404
 Villyard, Kenneth W. and Ivers, William S. Design and performance characteristics of the Viking Lander inertial reference unit. (JGC) 248
 Vonada, J.A. (JA; see Vershure, R.W., Jr.)
 Vosburgh, K.G. Compressed air energy storage. (JE) 106
 Vranos, Alexander Liquid-phase reactions of vaporizing hydrocarbon fuels. (PS, V. 62) 307
 Waberski, Aleksander Vibration statistics of thin plates with complex form. (AIAA J) 788
 Wada, Ben K. (JSR; see Chen, Jay C.)
 Wagdi, Mohammad Nabih Stability augmentation by eigenvalues control and model matching. (JGC, EN) 381
 Waggoner, E.G. (JA; see Haney, H.P.)
 Wagner, Bernhard Remarks on conical supersonic wings with subsonic leading edges. (JA, EN) 319
 Wagner, Bernhard and Schmidt, Wolfgang Theoretical investigations of real gas effects in cryogenic wind tunnels. (AIAA J) 580
 Walitt, L., King, L.S., and Liu, C.Y. Computation of viscous transonic flow about a lifting airfoil. (AIAA J, SYN) 775
 Wallenstein, Monte H. Acceptance testing of the JTIDS Class II terminal by augmented minicomputer. (JA) 387
 Walston, William H., Jr. (JE; see Buckley, Frank T., Jr.)
 Walters, Craig T., Wolken, George, Jr., and Purvis, George D., III Magnetically confined plasma solar collector. (PS, V. 61) 222
 Wang, D.T. (JSR; see Beckwith, S.W.)
 Wang, J.C.F. and Gerhold, B.W. Measurements on turbulent hydrogen flames in a circular air duct. (PS, V. 58) 193
 Wang, J.C.T. and Shen, S.F. Unsteady boundary layers with flow reversal and the associated heat-transfer problem. (AIAA J) 1025
 Wang, K.S. (JA; see Vaidya, P.G.)
 Warcup, R.W. (JA; see Kuhlman, J.M.)
 Warming, R.F. (AIAA J; see Beam, Richard M.)
 Warshay, Marvin ECAS Phase I fuel cell results. (JE) 46
 Washburn, Karen E. (JA; see Gloss, Blair B.)
 Waskiewicz, John D., Murray, A.L., and Lewis, Clark H. Hypersonic viscous shock-layer flow over a highly cooled sphere. (AIAA J, TN) 189
 Waterland, L.R. (PS, V. 59; see Nicolet, W.E.)
 Watler, J.F., Jr. and Mulley, W.G. Feasibility demonstration of the Earth-referenced maneuvering flight-path display. (JA) 503
 Weaver, D.P. (PS, V. 58; see Williams, W.D.)
 Wedel, R.K. (JSR; see Nast, T.C.)
 Weeks, T.M. (JA; see Sotomayer, W.A.)
 Wei, K.C. and Pearson, A.E. Control law for an intercept system. (JGC) 298
 Weidner, John P. The application of dual fuel (JP-LH₂) for hypersonic cruise vehicles. (JA) 686
 Weihs, D. (JA, EN; see Katz, J.)
 Weinraub, R.A. Reingestion and footprint characteristics of the VAK 191B. (JA) 222
 Weiss, R., Rodden, J.J., Hendricks, R.J., and Beach, S.W. Seasat-A attitude control system. (JGC) 6
 Weisshaar, Terry A. (JA, TC; see Johnson, Erwin)
 --(JA; see Crittenden, J.B.)
 Welge, H.R. (JA; see Radkey, R.L.)
 Weng, C.H. and Chow, W.L. Axisymmetric supersonic turbulent base pressures. (AIAA J, SYN) 553
 Wentz, Frank J. (JSR; see Jones, W. Linwood)
 Werle, M.J. (AIAA J; see Srivastava, B.N.)
 --(AIAA J, TN; see El-Mistikawa)
 Western, E.E. (JA; see Dieck, R.H.)
 Weston, Robert P. (AIAA J, TN; see Krausche, Dolores)
 Wheeler, E. (JA; see Doherty, J.E.)
 Wheeler, R.L. Recent United Kingdom hovercraft development. (JH, SP) 3
 Whinnery, J.R. (PS, V. 61; see Guedes, M.P.)
 Whitbeck, R.F. and Hofmann, L.G. Digital control law synthesis in the w' domain. (JGC) 319
 White, John L. and Todd, Edward S. Normal modes vibration analysis of the JT9D/747 propulsion system. (JA) 28
 White, William F., Jr. Comment on "Dynamic characteristics of rotor blades: integrating matrix method." (AIAA J, TC) 541
 Whitelaw, J.H. (PS, V. 58; see Hutchinson, P.)
 Wieting, Allan R. (PS, V. 60; see Thornton, Earl A.)
 Wigeland, R.A., Ahmed, M., and Nagib, H.M. Management of swirling flows with application to wind tunnel design. (AIAA J) 1125
 --Vorticity measurements using calibrated vane-vorticity indicators and crosswires. (AIAA J) 1229
 Wilbur, P.J. (AIAA J; see Aston, G.)
 Wilcox, W.R. (AIAA J; see Papazian, J.M.)
 Wilgen, F.J. and Schlack, A.L., Jr. Reply by authors to P. Kulla. (AIAA J, TC) 1119
 Wilhelmi, H. and Gross, G. Application of sampling probes in turbulent supersonic diffusion flames. (PS, V. 58) 311
 Williams, Alan (PS, V. 62; see Jordan, J.B.)
 Williams, A. and Idrus, N. Changes of surface shapes due to contact loading with thermal and pressure cycling. (PS, V. 60) 229
 Williams, L.E. (JGC; see Scherz, C.J.)
 Williams, S.D. and Curry, Donald M. Reply by authors to James V. Beck. (JSR, TC) 382
 Williams, W.D., Powell, H.M., McGuire, R.L., Price, L.L., Jones, J.H., Weaver, D.P., and Lewis, J.W.L. Diagnostics of rocket plume airstream turbulent mixing using laser-Raman scattering. (PS, V. 58) 273

- Williamson, Walter E. (JGC, EN; see Hull, David G.)
- Williamson, W.S. and Hyman, J., Jr. Discharge-chamber sputtering in mercury ion thrusters. (JSR) 375
- Willis, Conrad M., Schoenster, James A., and Mixson, John S. Acoustics loads on upper-surface-blown powered-lift systems. (JA) 670
- Willmarth, W.W., Gasparovic, R.F., Maszatics, J.M., McNaughton, J.L., and Thomas, D.J. Management of turbulent shear layers in separated flow. (JA, SYN) 385
- Wilson, J.F. and Garg, D.P. Frequencies of annular plate and curved beam elements. (AIAA J, TN) 270
- Wilson, W.W. (AIAA J; see Neale, D.H.)
- Wohllebe, F.A. and Siclari, M.J. Fountain and upwash flowfields of multijet arrangements. (JA) 468
- Wolken, George, Jr. (PS, V. 61; see Walter, Craig T.)
- Wolkovitch, Julian (JGC; see Platus, D.H.)
- Wood, B.E. (AIAA J; see Smith, A.M.)
- Wood, Lincoln J. (JA; see Uehara, Sachio)
- Woodcock, Gordon R. SPS cost considerations (JE) 196
- Wortman, Andrzej Comments on "Controlling the separation of laminar boundary layers in water: heating and suction." (JH, TC) 87
- Wright, B.R., Bruckman, F., and Radovcich, N.A. Arrow wings for supersonic cruise aircraft. (JA) 829
- Wright, Mark S., Bocarsley, Andrew B., and Bolts, Jeffrey M. Photoelectrolysis of water at high current density: use of laser light excitation of semiconductor-based photoelectrochemical cells. (PS, V. 61) 613
- Wu, C. (AIAA J, TN; see Chow, W.L.)
- Wu, J., Fruman, D.H., and Tulin, M.P. Drag reduction by polymer diffusion at high Reynolds numbers. (JH, EN) 134
- Wu, J.C. and Sugavanam, A. Method for the numerical solution of turbulent flow problems. (AIAA J) 948
- Wu, P.K.S. (AIAA J; see Pirri, A.N.)
- Wu, Peter K. and Nebolsine, Peter E. Laser-induced impulse to a phenolic surface. (AIAA J, TN) 1101
- Yabe, Akira, Mori, Yasuo, and Hijikata, Kunio EHD study of the corona wind between wire and plate electrodes. (AIAA J) 340
- Yakhot, Alexander and Levin, Alexei Attenuating the transverse edge effect in MHD generators. (AIAA J, TN) 1203
- Yamamoto, Kyoji Impact pressure probe in free molecular flow. (AIAA J) 1181
- Yamasaki, H., Masuhara, Y., and Shioda, S. Experimental studies of a linear MHD generator with fully ionized seed. (JE) 337
- Yang, J.C.S. (AIAA J; see Douglas, B.E.)
- Yang, T.Y. (AIAA J; see Kunoo, Kazuo)
- Yasuoka, Y. (PS, V. 61; see Guedes, M.P.)
- Yeh, L.T. (AIAA J, TC; see Chung, Benjamin T.F.)
- Yesil, Oktay and Christiansen, Walter H. Solar pumped continuous wave carbon dioxide laser. (PS, V. 61) 357
- Yip, Long P. (JA; see Thomas, James L.)
- Yocum, John F. and Slafer, Loren I. Control system design in the presence of severe structural dynamics interactions. (JGC) 109
- Yoshihara, H. (JA; see Chen, A.W.)
- Youle, I.S. (JE; see deLeeuw, J.H.)
- Young, James F. (PS, V. 61; see Harris, Stephen E.)
- Young, J.W., Schy, A.A., and Johnson, K.G. Prediction of jump phenomena in aircraft maneuvers, including nonlinear aerodynamic effects. (JGC) 26
- Young, Lee A. (AIAA J, SYN; see Shui, Ven H.)
- Yovanovich, M.M. (PS, V. 60; see Ogniewicz, Y.)
- Yu, J.C. and Tam, C.K.W. Experimental investigation of the trailing edge noise mechanism. (AIAA J) 1046
- Yu, N.J. (AIAA J; see Fung, K-Y.)
- Yu, N.J., Seebass, A.R., and Ballhaus, W.F. Implicit shock-fitting scheme for unsteady transonic flow computations. (AIAA J) 673
- Yuan, Jain-Min (PS, V. 61; see George, Thomas F.)
- Yule, A.J. (JE; see Ungut, A.)
- Yule, A.J., Chigier, N.A., Atakan, S., and Ungut, A. Particle size and velocity measurement by laser anemometry. (PS, V. 58) 247
- Yule, A.J., Taylor, D.S., and Chigier, N.A. Thermocouple signal processing and on-line digital compensation. (JE) 223
- Zedan, M. Fouad and Dalton, Charles Incompressible irrotational axisymmetric flow about a body of revolution: the inverse problem. (JH) 41
- Potential flow around axisymmetric bodies: direct and inverse problems. (AIAA J) 242
- Reply by authors to W. Squire. (AIAA J, TC) 1120
- Zee, S. (JA; see Inger, G.R.)
- Zelazny, S.W., Driscoll, R.J., Raymonda, J.W., Blauer, J.A., and Solomon, W.C. Modeling DF/HF CW lasers: an examination of key assumptions. (AIAA J) 297
- Zelazny, S.W. and Rushmore, W.L. Effect of mixing rate on pressure fields in chemical laser cavities. (PS, V. 58) 141
- Zien, T.F. Integral solutions of ablation problems with time-dependent heat flux. (AIAA J) 1287
- Zimmerman, Alan W. Multiburst cloud rise. (AIAA J, TN) 619
- Zimmerman, I. Harold (PS, V. 61; see George, Thomas F.)
- Zinn, B.T. (AIAA J; see Sigman, R.K.)
- Zoby, E. Vincent (PS, V. 59; see Moss, James N.)
- Zorea, C. and Rom, J. Vortex rollup over and behind wings related to nonlinear aerodynamic characteristics. (JA, SYN) 193
- Zumdieck, John F. (PS, V. 61; see Taussig, Robert T.)