

AIAA Journal

TECHNICAL NOTES AND COMMENTS

NOTES

The Effect of Lift on the Decay of a Circular Orbit.....	R. Rosenbaum	208
Determination of Supersonic Panel Flutter of Cylindrical Shells With In-Plane Stresses.....	H. Saunders	209
An Experimental Observation of the Mach- and Reynolds-Number Independence of Cylinders in Hypersonic Flow ..	G. M. Gregorek and K. D. Korkan	210
Euler Load of a Stepped Column—An Exact Formula.....	G. S. Ram	211
A Formula for Certain Types of Stiffness Matrices of Structural Elements.....	G. Best	212
On Minor-Circle Turns.....	R. D. Shaver	213
Design of Tufts for Flow Visualization.....	A. H. Shapiro	213
Thermal Stresses in an Elastic Half-Space With a Moving Boundary.....	I. G. Tadjbakhsh	214
Interface Stability in a Nonuniform Acceleration Field.....	L. L. Lengyel	215
Librational Dynamic-Response Limits of Gravity-Gradient Satellites.....	I. Michelson	216
Deflections of Inelastic Beams With Nonuniform Temperature Distribution.....	B. E. Gatewood and R. W. Gehring	217
Couette-Type Flow Through a Porous-Walled Annulus.....	K. N. Mehta	217
The Characteristic Form of the Equations of One-Dimensional Magnetohydrodynamic Flow With Oblique Magnetic Field.....	R. M. Gundersen	219
The Free-Molecule Impact-Pressure Probe of Arbitrary Length.....	D. E. Rothe and J. H. de Leeuw	220
Pure Bending, Twisting, and Stretching of Skewed, Heterogeneous, Aeolotropic Plates.....	Y. Stavsky	221
Slip Flow of an Ionized Gas Over a Sphere Carrying a Magnetic Dipole.....	G. W. Pneuman and P. S. Lykoudis	222
Determination of Heliocentric Elliptic Orbit.....	M. A. Rahman	223
A Supplementary Note on the Optimum Design of Box Beams for Combined Strength and Stiffness..	B. Saelman	224
Coasting Arcs in Optimal Power-Limited Rocket Flight.....	G. Lietmann	225
A Matrix Formulation of the Transverse Structural Influence Coefficients of an Axially Loaded Timoshenko Beam...	W. P. Rodden, J. P. Jones, P. G. Bhuta	225
Solutions of Restricted Three-Body Problem Represented by Means of Two-Fixed-Center Problem.....	R. F. Arenstorf and M. C. Davidson Jr.	228
Linearized Steady Motion of Pluri-Reacting Mixtures.....	L. G. Napolitano	230
Stagnation Region in Rarefied, High Mach Number Flow.....	H. K. Cheng and A. L. Chang	231
Optimum Thrust Programming of Electrically Powered Rocket Vehicles for Earth Escape.....	C. R. Faulders	233
Electrical Discharge Across a Supersonic Jet of Plasma in Transverse Magnetic Field.....	S. T. Demetriades and P. D. Lenn	234
A Class of Linear Magnetohydrodynamic Flows.....	M. R. El-Saden	236
Existence of Periodic Solutions Passing Near Both Masses of the Restricted Three-Body Problem.....	R. F. Arenstorf	238
Radiation Environment Following a Nuclear Attack.....	R. A. Porter and R. L. Hatfield	240
Solar Cell Performance in the Artificial Radiation Belt.....	R. E. Fischell	242

COMMENTS

Comments on "Re-Entry Trajectories: Flat Earth Approximation".....	E. W. Purcell	245
Comment on "Use of Ballistic Pendulums With Pulsed Plasma Accelerators".....	W. J. Guman	246
Comment on "Stresses and Strains in Solid Propellants During Storage".....	R. B. Kruse and R. J. Murray	246