

AIAA Journal

TECHNICAL NOTES AND COMMENTS

NOTES

Shear Layer Flow Induced by Blunt-Nosed Bodies.....	L. Filler and W. Simon	2140
Manual Extraterrestrial Guidance and Navigational System.....	P. B. Liebelt	2142
Body Force Effects on Transient Melting and Vaporizing Ablation.....	S.-Y. Chen	2144
Beam Columning in Ground Wind Load Analyses.....	R. P. McFarland	2147
Wave Reflection from the Intersection of Oblique Shock Waves of the Same Family.....	G. W. Zumwalt and J. J. Flynn Jr.	2149
Recombination Losses in Rocket Nozzles with Storable Propellants.....	D. J. Simkin and R. R. Koppang	2150
Combined External and Internal Cooling.....	J. P. Sellers Jr.	2152
Gaseous Film Cooling with Multiple Injection Stations.....	J. P. Sellers Jr.	2154
Similar and Nonsimilar Solutions of the Nonequilibrium Laminar Boundary Layer.....	F. G. Blottner	2156
Effect of Gravity on the Mobility of a Lunar Vehicle.....	G. A. Costello and D. L. Dewhirst	2157
Schlieren and Shadowgraph Studies of Hybrid Boundary-Layer Combustion.....	R. J. Muzzy	2159
Skin Friction Exerted by a Compressible Fluid Stream on a Flat Plate.....	D. B. Spalding and S. W. Chi	2160
Contact Surface Tailoring in a Chemical Shock Tube.....	O. Trass and D. Mackay	2161
Computing Temperature Perturbations on Thin-Skin Panels.....	F. S. Brunschwig	2163
Explicit Finite-Difference Method for Calculating Laminar and Turbulent Flows.....	F. J. Stoddard	2164
Influence of Wall Conductance on MHD Energy Conversion.....	W. T. Snyder and L. K. Liu	2165
Transient Radiation Heating of a Rotating Cylindrical Shell.....	W. E. Olmstead, L. A. Peralta, S. Raynor	2166
Sphere of Influence in Patched-Conic Methods.....	J. W. Crenshaw	2168
Constraint Factor of Notched Bars by d.c.-Board.....	N. Inoue and H. C. Stutts	2170
Thermal Choking of Partially Ionized Gases.....	K. T. Yen	2171
Thermal and Electrical Properties of Thin-Film Resistance Gages Used for Heat Transfer Measurement.....	L. Bogdan	2172
Hypervelocity Stagnation Point Heat Transfer in a Carbon Dioxide Atmosphere.....	R. M. Nerem, C. J. Morgan, B. C. Graber	2173
Thermal Ionization behind Strong Shock Waves.....	R. W. Truitt	2175
Self-Preservation in Fully Expanded Round Turbulent Jets.....	F. P. Boynton	2176
Some Effects of Surface Roughness on the Turbulent Boundary Layer.....	O. E. Tewfik	2178
Blowing Effects on Pressure Interaction Associated with Cones.....	N. A. Thyson and E. E. H. Schurmann	2179
Effects of Orthotropicity Orientation on Supersonic Panel Flutter.....	J. M. Calligeros and J. Dugundji	2180
Rapid Discharge of a Gas from a Cylindrical Vessel through a Nozzle.....	R. C. Progelhof and J. A. Owczarek	2182
Far Infrared Radiation Model of the Earth.....	R. A. McGee	2184
High Speed Scanner for Transverse Radiation Measurements of Luminous Hypersonic Wakes.....	R. L. Taylor, J. C. Keck, B. W. Melcher II, R. M. Carbone	2186
Compressible Jet Spread Parameter for Mixing Zone Analyses.....	R. S. Channapragada	2188
Continuum Aspects of rf Gradient Acceleration of Plasma.....	J. A. Cooney	2190
Three-Dimensional Supersonic Flow Computations.....	G. Moretti	2192
Measurements of Heat Transfer Rates in Separated Regions in a Shock Tube and in a Shock Tunnel.....	J. Rom	2193

COMMENTS

Comments on "A Note on the Classical Buckling Load of Circular Cylindrical Shells under Axial Compression".....	R. W. Leonard	2194
Reply by Author to R. W. Leonard.....	R. C. Tennyson	2195
Comment on "Flight Mechanics of the 24-Hour Satellite".....	L. Blitzer and G. Kang	2196
Comment on "Dynamic Analysis for Lunar Alightment".....	R. E. Lavender	2196
Addendum to "Nonequatorial Launching to Equatorial Orbits and General Nonplanar Launching".....	R. P. Haviland and C. M. House	2197
Correction and Extension of the Concept of Cross-Spin Control.....	R. A. Nidey and A. E. Seames	2198