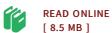


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RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 140 pages. Original publisher: Washington, D. C.: National Aeronautics and Space Administration, Office of Management, Scientific and Technical Information Division, 1991. OCLC Number: ocm27903759 Subject: Aerodynamics. Excerpt: . . . v (k) h (7) eik77d7 (3.8)-ik77. 7 (3.9) h (7) v (kT) e dK Inserting Equation 3. 9 into Equation 3. 7 and performing the time derivative gives 2-ik7 (7 Ut) dk 8q P U 6 (FA) fk v (kT) e (3.10) Po 2 Y To express Equation 3. 10 in cylindrical coordinates, consider the r constant surface to be unwrapped onto a plane. Then the 7, f system can be rotated into x, 4 using the relations (3.11) r r47--uV-x- (3.12) r V r vX-u where the coefficients V U and r U are tied to the advance triangle shown in Figure 4. The inverses of these equations are shown for future reference r r V (3 lla) -0-7-U Uv7 x - (3....





Reviews

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