



Charles Sumner Volume 17

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 56 pages. Original publisher: Hampton, VA : Institute for Computer Applications in Science and Engineering, NASA Langley Research Center ; Springfield, Va. : National Technical Information Service, distributor, 1990 OCLC Number: (OCoLC)60886664 Excerpt: . . . 11--) V 3- v3 O ; 0 3n n o ; --- . (3. 31) T u O , . . n O , g O. In the following section we go on to investigate the stability of flows of this class, subject to small amplitude inviscid disturbances. 4, Inviscid stability of the flow 4, 1 Disturbance equations In this section we derive the disturbance equations relevant to small amplitude disturbances in. 8. 11Xsupersonic axisymmetric boundary layer type flow. In I, just axisymmetric disturbances were considered; here we consider the more general case of non-axisymmetric perturbations of the flow. We consider disturbances whose wavelength in the axial direction (1) is comparable to the (tip) radius of the cone. Specifically, at a fixed station we write v l 8 a U, 1 (r) E 0 (8 2), v 2 8 U 32 (r)...



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