

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 invesigate 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. 11X supersonic 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 I 8 a U, 1 (r) E 0 (82), v 2 8 U 32 (r)...





Reviews

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