



## Histoire Des Ducs de Bourgogne de La Maison de Valois, 1364-1477 (9)

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By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 46 pages. Original publisher: Edwards, Calif. : National Aeronautics and Space Administration, Dryden Flight Research Facility, 1991. OCLC Number: (OCoLC)62928272 Excerpt: . . . An interaction between the forebody and LEX vortex cores occurred in which the forebody vortex core is drawn down under the LEX vortex. At 0 sideslip, this occurs just behind the LEX vortex core breakdown location. Primary and secondary separation lines were identified on the forebody, while secondary and tertiary separation lines were observed on the LEX even after vortex core breakdown. A surprising amount of laminar flow was found on the forebody at the largest angles of attack with boundary layer transition occurring at a laminar separation bubble on the side of the fuselage despite the high Reynolds numbers. This could be explained by fact that the attachment line momentum thickness Reynolds number at the end of the laminar separation bubble is very nearly equal to the critical value. Extensive regions of separated, reversed, and vortical flow were observed on the F-18 HARV wing at  $\alpha$ , - 20 , 25 , and 30 . The influence of the LEX vortex at these angles...



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