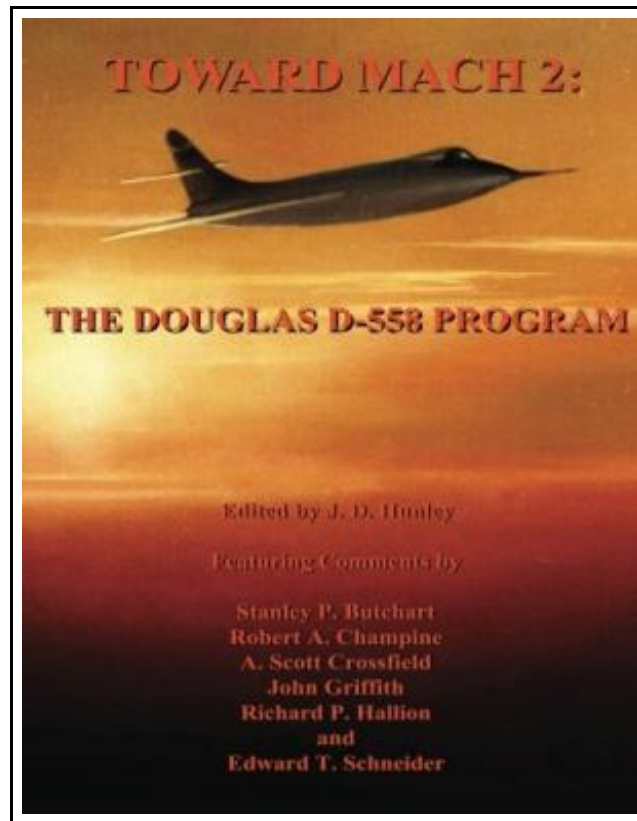


## Toward Mach 2: The Douglas D-558 Program



Filesize: 2.37 MB

### ***Reviews***

*This ebook is very gripping and fascinating. Sure, it is engage in, nevertheless an amazing and interesting literature. It is extremely difficult to leave it before concluding, once you begin to read the book.*

***(Ms. Ora Buckridge)***

## TOWARD MACH 2: THE DOUGLAS D-558 PROGRAM



Createspace, United States, 2013. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.In the long and proud history of flight research at what is now called the NASA Dryden Flight Research Center, the D-558 project holds a special place as being one of the earliest and most productive flight research efforts conducted here. Data from the D-558 and the early X-planes enabled researchers at what became NASA s Langley Research Center to correlate and correct test results from wind tunnels with actual flight values. Then, the combined results of flight and wind-tunnel testing enabled the U.S. aeronautical community to solve many of the problems that occur in the transonic speed range (about 0.8 to 1.2 times the speed of sound), such as pitch-up, buffeting, and other instabilities. This enabled reliable and routine flight of such aircraft as the century series of fighters (F-100, F-102, F-104, etc.) as well as all commercial transport aircraft from the mid-1950s to the present. The Douglas D-558-1 Skystreak and D-558-2 Skyrocket were, with the Bell XS-1, the earliest transonic research aircraft built in this country to gather data so the aviation community could understand what was happening when aircraft approached the speed of sound (roughly 741 miles per hour at sea level in dry air at 32 degrees Fahrenheit). In the early 1940s, fighter (actually, in the terms of the time, pursuit) aircraft like the P-38 Lightning were approaching these speeds in dives and either could not get out of the dives before hitting the ground or were breaking apart from the effects of compressibility-increased density and disturbed airflow as the speed approached that of sound and created shock waves.



[Read Toward Mach 2: The Douglas D-558 Program Online](#)

[Download PDF Toward Mach 2: The Douglas D-558 Program](#)

## You May Also Like



### **Weebies Family Halloween Night English Language: English Language British Full Colour**

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Children s Weebies Family Halloween Night Book 20 starts to teach Pre-School and...

[Read ePub »](#)



### **How The People Found A Home-A Choctaw Story, Grade 4 Adventure Book**

McGraw Hill. Soft cover. Book Condition: Brand New. Dust Jacket Condition: No Dust Jacket. Brand New In Softcover Format, How The People Found A Home-A Choctaw Story, Grade 4 Adventure Book. 1-1-3.

[Read ePub »](#)



### **Perfect Psychometric Test Results**

Cornerstone. Paperback. Book Condition: new. BRAND NEW, Perfect Psychometric Test Results, Joanna Moutafi, Ian Newcombe, Perfect Psychometric Test Results is an invaluable guide for anyone who wants to secure their ideal job. Written by a...

[Read ePub »](#)



### **Perfect Numerical Test Results**

Cornerstone. Paperback. Book Condition: new. BRAND NEW, Perfect Numerical Test Results, Joanna Moutafi, Ian Newcombe, Perfect Numerical Test Results is the essential guide for anyone who wants to secure their ideal job. Written by a...

[Read ePub »](#)



### **Perfect Numerical and Logical Test Results**

Cornerstone. Paperback. Book Condition: new. BRAND NEW, Perfect Numerical and Logical Test Results, Joanna Moutafi, Marianna Moutafi, Have you been asked to sit a numerical or logical reasoning test? -Do you need some help preparing...

[Read ePub »](#)