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Low-speed Measurements of Oscillatory Lateral Stability Derivatives of a 1/7-scale Model of the North American X-15 Airplane John W. Paulson, James L. Hassell, 1959

Subsonic Flight Tests of a 1/7-scale Radio-controlled Model of the North American X-15 Airplane with Particular Reference to High Angle-of-attack Conditions Donald E. Hewes, James L. Hassell, 1960

Measurements Obtained During the First Landing of the North American X-15 Research Airplane James M. McKay,1959 Investigation of the Subsonic Stability and Control Characteristics of a 1/7-scale Model of the North American X-15 Airplane with and Without Fuselage Forebody Strakes James L. Hassell,Donald E. Hewes,1960

Painting Guide for the Boeing Stratofortress Motherships Brian Lockett,2009-07-01 This document tracks the changes to the appearance of the two Boeing B-52 Stratofortresses that were modified to carry and launch the North American X-15 rocket planes. The two NB-52s went on to launch the X-15A-2, Northrop HL-10, Northrop M2-F2, and Martin-Marietta X-24A. The NB-52A retired in October 1969, but the NB-52B soldiered on until November 2004, launching a wide variety of unmanned research vehicles and parachute test devices. The appearance of the NB-52s changed many times over the years. These changes are illustrated in this document. There are fourten sets of illustrations for the NB-52B and eighteen sets of illustrations for the NB-52B. The Stratofortress motherships are popular subjects for modelers. Their special missions capture the imagination. The liberal application of DayGlo orange, DayGlo red, and yellow makes them a couple of the most colorful B-52s. This document will help modelers to reproduce the correct appearance of either Stratofortress for any particular mission.

#### Commerce Business Daily ,1998-05

<u>The X-15 Rocket Plane</u> Michelle Evans, 2022-05 The story of the X-15, the pioneering research flight program in the fifties and sixties, and its pilots.

Investigation of the Subsonic Stability and Control Characteristics of a 1/7-Scale Model of the North American X-15 Airplane with and Without Fuselage Forebody Strakes ,1960

<u>Hypersonics Before the Shuttle: A Concise History of the X-15 Research Airplane</u> ,2000

Flying beyond the stall Douglas A. Joyce, 2014 The X-31 Enhanced Fighter Maneuverability Demonstrator was unique among experimental aircraft. A joint effort of the United States and Germany, the X-31 was the only X-plane to be designed, manufactured, and flight tested as an international collaboration. It was also the only X-plane to support two separate test programs conducted years apart, one administered largely by NASA and the other by the U.S. Navy, as well as the first X-plane ever to perform at the Paris Air Show. Flying Beyond the Stall begins by describing the government agencies and private-sector industries involved in the X-31 program, the genesis of the supermaneuverability concept and its initial design breakthroughs, design and fabrication of two test airframes, preparation for the X-31's first flight, and the first flights of Ship #1 and Ship #2. Subsequent chapters discuss envelope expansion, handling qualities (especially at high angles of attack), and flight with vectored thrust. The book then turns to the program's move to NASA's Dryden Flight Research Center and actual flight test data. Additional tasking, such as helmet-mounted display evaluations, handling quality studies, aerodynamic parameter estimation, and a tailless study are also discussed. The book describes how, in the aftermath of a disastrous accident with Ship #1 in 1995, Ship #2 was prepared for its outstanding participation in the Paris Air Show. The aircraft was then shipped back to Edwards AFB and put into storage until the late 1990s, when it was refurbished for participation in the U. S. Navy's VECTOR program. The book ends with a comprehensive discussion of lessons learned and includes an Appendix containing detailed information.

**North American X-15/X-15A-2** Ben Guenther, Jay Miller, Terry Panopalis, 1986 Beskriver de amerikanske forsøgsflytyper X-15 og X-15A-2.

Airplane Flying Handbook, Faa-H-8083-3b (Full Version) Federal Aviation Administration, 2018-05-12 Airplane Flying Handbook Front Matter Table of Contents Chapter 1: Introduction to Flight Training Chapter 2: Ground Operations Chapter 3: Basic Flight Maneuvers Chapter 4: Maintaining Aircraft Control: Upset Prevention and Recovery Training (PDF) Chapter 5: Takeoffs and Departure Climbs Chapter 6: Ground Reference Maneuvers Chapter 7: Airport Traffic Patterns Chapter 8: Approaches and Landings Chapter 9: Performance Maneuvers Chapter 10: Night Operations Chapter 11: Transition to Complex Airplanes Chapter 12: Transition to Multiengine Airplanes Chapter 13: Transition to Tailwheel Airplanes Chapter 14: Transition to Turbopropeller-Powered Airplanes Chapter 15: Transition to Jet-Powered Airplanes Chapter 16: Transition to Light Sport Airplanes (LSA) Chapter 17: Emergency Procedures Glossary Index

### Flying Magazine ,1992-03

The Smell of Kerosene National Aeronautics and Space Administration, Donald L. Mallick, Peter W. Merlin, 2023-12-28 This book puts the reader in the pilot's seat for a day at the office unlike any other. The Smell of Kerosene tells the dramatic story of a NASA research pilot who logged over 11,000 flight hours in more than 125 types of aircraft. Donald Mallick gives the reader fascinating first-hand description of his early naval flight training, carrier operations, and his research flying career with NASA. After transferring to the NASA Flight Research Center, Mallick became involved with projects that further pushed the boundaries of aerospace technology. These included the giant delta-winged XB-70 supersonic airplane, the wingless M2-F1 lifting body vehicle, and triplesonic YF-12 Blackbird. Mallick also test flew the Lunar Landing Research Vehicle and helped develop techniques used in training astronauts to land on the Moon.

The History of the XV-15 Tilt Rotor Research Aircraft Martin D. Maisel, 2000

The Naval Aviation Maintenance Program (NAMP).: Maintenance data systems United States. Office of the Chief of Naval Operations, 1990

Strengthening Forensic Science in the United States National Research Council, Division on Engineering and Physical Sciences, Committee on Applied and Theoretical Statistics, Policy and Global Affairs, Committee on Science, Technology, and Law, Committee on Identifying the Needs of the Forensic Sciences Community, 2009-07-29 Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. Strengthening Forensic Science in the United States: A Path Forward provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland

security, and reducing the risk of wrongful conviction and exoneration. Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

Emergency Response Guidebook U.S. Department of Transportation, 2013-06-03 Does the identification number 60 indicate a toxic substance or a flammable solid, in the molten state at an elevated temperature? Does the identification number 1035 indicate ethane or butane? What is the difference between natural gas transmission pipelines and natural gas distribution pipelines? If you came upon an overturned truck on the highway that was leaking, would you be able to identify if it was hazardous and know what steps to take? Questions like these and more are answered in the Emergency Response Guidebook. Learn how to identify symbols for and vehicles carrying toxic, flammable, explosive, radioactive, or otherwise harmful substances and how to respond once an incident involving those substances has been identified. Always be prepared in situations that are unfamiliar and dangerous and know how to rectify them. Keeping this guide around at all times will ensure that, if you were to come upon a transportation situation involving hazardous substances or dangerous goods, you will be able to help keep others and yourself out of danger. With color-coded pages for quick and easy reference, this is the official manual used by first responders in the United States and Canada for transportation incidents involving dangerous goods or hazardous materials.

Foldable Flight's Incredible Paper Airplanes Kyle Boyer,2019-11 Fold and fly 15 of the coolest, craziest, and best paper airplanes you've ever seen! From a plane that boomerangs back to you, to a plane that spirals as it flies, to a plane that flies well over 150 feet, these truly are some of the best paper airplanes in the world! The book includes step-by-step instructions, video tutorials, and illustrated folding papers for each plane, offering you hours of entertainment!

Unlimited Horizons Peter W. Merlin,2015 Designed as a stopgap measure to provide overhead reconnaissance capability during the early years of the Cold War, the versatile U-2 has since evolved to meet changing requirements well into the 21st century. Though many authors have documented the airplane's operational history, few have made more than a cursory examination of its technical aspects or its role as a NASA research platform. This volume includes an overview of the origin and development of the Lockheed U-2 family of aircraft with early National Advisory Committee for Aeronautics (NACA) and National Aeronautics and Space Administration (NASA) involvement, construction and materials challenges faced by designers and builders, releasable performance characteristics and capabilities, use of U-2 and ER-2 airplanes as research platforms, and technical and programmatic lessons learned.

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