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# **MISSILE DATCOM**

## **VOLUME I - FINAL REPORT**

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## **VOLUME II - USER'S MANUAL**

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# Missile Datcom Manual

**William B. Blake**



## **Missile Datcom Manual:**

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DOUGLAS MISSILE SYSTEMS CO STLOUIS MO.,1991 In missile preliminary design it is necessary to quickly and economically estimate the aerodynamics of a wide variety of missile configuration designs Since the ultimate shape and aerodynamic performance are so dependent upon the subsystems used such as payload size propulsion system selection and launch mechanism the designer must be capable of predicting a wide variety of configurations accurately The fundamental purpose of Missile Datcom is to provide an aerodynamic design tool which has the predictive accuracy suitable for preliminary design and the capability for the user to easily substitute methods to fit specific applications *Missile Datcom, User's Manual* Keith A. Burns, Kenneth J. Deters, Stan L. Stoy, Steven R. Vukelich, William B. Blake, McDonnell Douglas Astronautics Company-St. Louis, Wright Laboratory (Wright-Patterson Air Force Base, Ohio), 1993

**Modeling and Simulation of Aerospace Vehicle Dynamics** Peter H. Zipfel, 2000 A textbook for an advanced undergraduate course in which Zipfel aerospace engineering U of Florida introduces the fundamentals of an approach to or step in design that has become a field in and of itself The first part assumes an introductory course in dynamics and the second some specialized knowledge in subsystem technologies Practicing engineers in the aerospace industry he suggests should be able to cover the material without a tutor Rather than include a disk he has made supplementary material available on the Internet Annotation copyrighted by Book News Inc Portland OR

*Scientific and Technical Aerospace Reports*, 1995 Lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been entered into the NASA Scientific and Technical Information Database

**Development Feasibility of Missile Datcom** Steven R. Vukelich, 1981 This report summarizes the methods available to predict the aerodynamic static dynamic and control characteristics of missiles The methods selected for Missile Datcom development were based upon a criteria which included ease of use accuracy utility over a range of flight conditions and cost effective in their use This report describes the methodology appropriate for the missile designer An outline of a Missile Datcom handbook is proposed an automated version is also recommended for development Those areas presently lacking suitable methodologies are also highlighted Author

*Technical Reports Awareness Circular : TRAC.*, 1989-08

Ballistics Charles Osheku, 2019-06-05 The edited volume Ballistics is a collection of reviewed and relevant research chapters offering a comprehensive overview of recent developments in the field of engineered mechanics The book comprises single chapters authored by various researchers and edited by an expert from the respective research area Each chapter is complete in itself but united under a common research study topic This publication aims to provide a thorough overview of the latest research efforts by international authors on engineered mechanics and opens new possible research paths for further novel developments

**34th Aerospace Sciences Meeting & Exhibit**, 1996

**35th Aerospace Sciences Meeting & Exhibit**, 1997

**Benefits of Air Launching Space Vehicles** Christopher Aron Noel, 2004

New Results in Numerical and Experimental Fluid Mechanics VIII Andreas Dillmann, Gerd Heller, Hans-Peter Kreplin, Wolfgang Nitsche, Inken Peltzer, 2012-12-27 This volume contains the contributions

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