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# 1994 Ames Research Center Publications: A Bibliography

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Shelley J. Scarich, Editor

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June 1995



National Aeronautics and  
Space Administration

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Shelley J. Scarich, Editor, Ames Research Center, Moffett Field, California

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National Aeronautics and  
Space Administration

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Moffett Field, California 94035-1000

## **Foreword**

This report lists Ames Research Center's scientific and technical research output for calendar year 1994.

The intent of this report is to provide greater awareness of the broad scope of work being done and the importance of the research and development work conducted by scientists and engineers at Ames.

During CY 1994, Ames contributions to NASA and non-NASA literature included high- and low-number technical memorandums, technical papers, conference publications, contractor reports, journal articles, meeting presentations, Tech Briefs, patents, and translations.

## Introduction

NASA Ames Research Center is one of the Nation's leading laboratories for research and development in aeronautics and space technology. Ames conducts basic and applied research in Aerospace Systems, Flight Operations, Flight Research, Aerophysics, Space, Information Sciences, and Life Sciences.

This publication is a compilation of Ames scientific and technical research output for 1994 which is processed through the Center's Document Development Division, an integral part of NASA's Agency-wide Scientific and Technical Information (STI) system. This document is intended to be a reference summary for researchers and an informational publication for the scientific, research, and academic communities.

The results of Ames's research are disseminated in a variety of NASA and non-NASA scientific and technical media and information systems. Details of the availability of the research references in this document are found in the next section, "Availability."

The citations are grouped first by subject categories, then in alphabetical order within each category.

The NASA Tech Briefs cited were published in 1994 in "NASA Tech Briefs," a journal for United States industry, entrepreneurs, and academia. Subscriptions to this journal are available through the publisher, NASA Tech Briefs, 41 East 42nd Street, Suite 921, New York, NY 10017-5391 or by writing to the NASA Center for AeroSpace Information, Technology transfer Office, P.O. Box 8757, Baltimore, MD 21240-0757.

Patents listed, which are owned in whole or in part by Ames Research Center personnel, have been published in issues of "Scientific and Technical Aerospace Reports" (STAR), a NASA announcement journal for report literature. A subscription to STAR is available from the U.S. Government Printing Office (GPO) or to qualified recipients from the NASA Center for AeroSpace Information (CASI).

## Availability

| Category   | Source   |
|--|--|
| Formal Reports<br>High-Numbered Conference Publications<br>High-Numbered Technical Memorandums<br>Contractor Reports | NASA Center for AeroSpace Information (CASI)<br>P.O. Box 8757<br>Baltimore, MD 21240-0757<br><br>National Technical Information Service (NTIS)<br>5285 Port Royal Road<br>Springfield, VA 22161-2171 |
| Ames Tech Briefs   | NASA Center for Aerospace Information (CASI)<br>NASA Technical Transfer Office<br>800 Elkridge Landing Rd.<br>Linthicum Heights, MD 21090  |
| Patents:   |  |
| Patent Application Specifications  | National Technical Information Service (NTIS)  |
| Printed Copies   | Commissioner of Patents and Trademarks<br>U.S. Patent and Trademark Office<br>Washington, DC 20231   |

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