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NASA Langley Scientific and Technical Information Output—2003

Susan H. Stewart, Compiler
Langley Research Center, Hampton, Virginia
Preface

This report contains a listing of the NASA Langley Research Center’s publicly available scientific and technical research output for C.Y. 2003.

The intent of this report is to provide a greater awareness of the broad scope of results and the importance of the research and development work conducted by scientists and engineers at Langley. This current awareness is mandated by the National Aeronautics and Space Act of 1958, which provides for the widest practical dissemination of NASA research.

Introduction

The NASA Langley Research Center is one of the Nation’s leading laboratories for research and development in the sciences of aeronautics and space technology. Langley conducts basic and applied research in the areas of aerospace systems, concepts, and analysis, aerodynamics, aerothermodynamics, and acoustics, structures and materials, airborne systems, atmospheric sciences, and systems engineering.

This document contains a bibliography of Langley’s publicly available scientific and technical research output for CY 2003, which is processed through the Center’s Office of the Chief Information Officer to become an integral part of NASA’s Agency-wide Scientific and Technical Information (STI) system. The results of Langley’s research are disseminated in a variety of NASA and non-NASA scientific and technical media and information systems. This document is intended to be a reference summary for researchers and a current awareness publication for the scientific, research, and academic community. Details of the availability of the research references in this document are found in the section, “Availability,” on page vi.

Many Langley reports are available electronically on the Langley Technical Reports Server (LTRS) at http://techreports.larc.nasa.gov/ltrs/. The relative Uniform Resource Locators are noted below citations for reports available electronically.

The citations are grouped by the NASA Aeronautics and Space Database subject categories and listed alphabetically by author or innovator. The Langley organization to which the senior author or innovator is assigned is noted below citations and included in the indexes.

Patents listed are those which were issued in CY 2003 and owned by Langley Research Center.

Publication of some journal articles was not known at press time for the 2002 issue of this document. These articles are therefore listed in the 2003 issue.
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