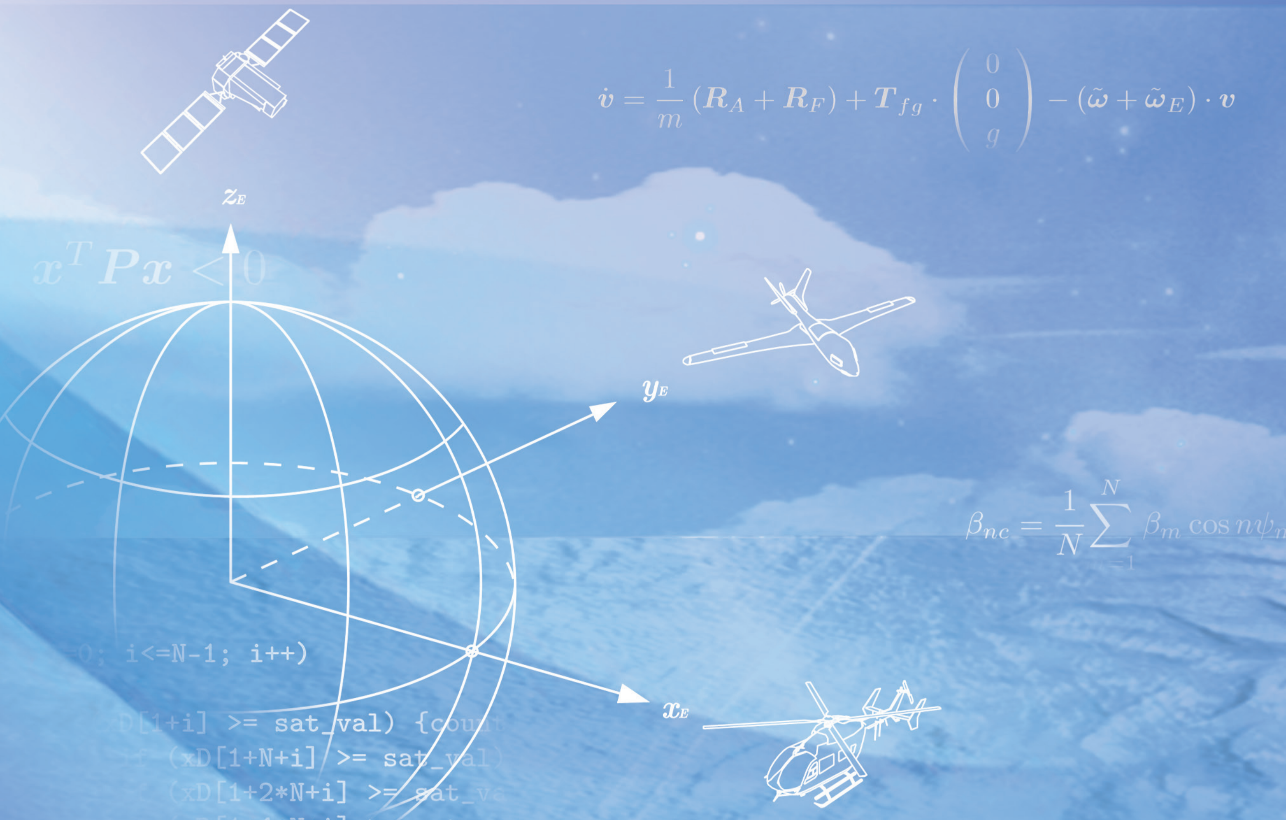
Incremental Control and Allocation for Power-Optimal Flight of Transition Aircraft

Ole Pfeifle, M.Sc.



Universität Stuttgart
Institut für Flugmechanik und Flugregelung

Fortschrittsberichte

Incremental Control and Allocation for Power-Optimal Flight of Transition Aircraft

A thesis accepted by the Faculty of Aerospace Engineering and Geodesy
of the University of Stuttgart in fulfillment of the requirements
for the degree of Doctor of Engineering Sciences (Dr.-Ing.)

by

Ole Frieder Pfeifle

born in Ludwigsburg, Germany

Main referee:	Prof. Dr.-Ing. Walter Fichter
Co-referee:	Prof. Dr. Erik-Jan van Kampen
Co-referee:	Prof. Dr.-Ing. Flavio Silvestre
Date of defense:	December 4, 2023

Institute of Flight Mechanics and Controls
University of Stuttgart

2024

Fortschrittsberichte des Instituts für Flugmechanik und Flugregelung

Band 18

Ole Pfeifle

Incremental Control and Allocation for Power-Optimal Flight of Transition Aircraft

D 93 (Diss. Universität Stuttgart)

Shaker Verlag
Düren 2024

Bibliographic information published by the Deutsche Nationalbibliothek
The Deutsche Nationalbibliothek lists this publication in the Deutsche Nationalbibliografie; detailed bibliographic data are available in the Internet at http://dnb.d-nb.de.

Zugl.: Stuttgart, Univ., Diss., 2023

Printed in Germany.

ISBN 978-3-8440-9496-1
ISSN 2199-3483

Shaker Verlag GmbH • Am Langen Graben 15a • 52353 Düren
Phone: 0049/2421/99011-0 • Telefax: 0049/2421/99011-9
Internet: www.shaker.de • e-mail: info@shaker.de

Contents