

ББК 39.68
Д 70
УДК 629.7; 533.6

Progress in flight physics. Vol. 7 / [Edited by D. Knight, I. Lipatov, and
Д 70 Ph. Reijasse]. — Moscow: TORUS PRESS, 2015. — 704 p., ill. 460. (EUCASS
advances in aerospace sciences book series)

ISBN 978-5-94588-165-5

The book contains thirty-five papers selected from over 140 papers presented in the Flight Physics sessions at EUCASS 2013 in Munich, Germany. These papers were reviewed by experts, revised, and thoroughly edited to provide state-of-the-art knowledge in their respective fields. The book is organized into eight chapters: (1) Aerodynamics; (2) Experimental Facilities; (3) Flow Control; (4) Inlets, Nozzles and Internal Flows; (5) Jets and Wakes; (6) Nonequilibrium and Rarefield Flows; (7) Shock Waves; and (8) Stability and Transition. The volume was prepared as a reference for research scientists and practicing engineers in the field of flight physics.

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ISBN 978-5-94588-165-5

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Printed in Russian Federation

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Научное издание

EUCASS серия «Успехи аэрокосмических наук»

Т. 7. Достижения в физике полета

Под ред. Д. Найта, И. Липатова, Ф. Рейджассе

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Художественные редакторы: *М. Седакова; Д. Комиссарова*

Дизайн обложки: *П. Седаков*

Сдано в набор 04.07.14. Подписано в печать 16.03.15.

Формат 70 × 100/16. Бумага офсетная. Печать офсетная.

Усл.-печ. л. 56,8. Уч.-изд. л. 60,7. Тираж 120 экз.

Заказ № 371к.

Издательство «ТОРУС ПРЕСС»

Москва 121614, ул. Крылатская 29-1-43

torus@torus-press.ru; <http://www.torus-press.ru>

Отпечатано в Академиздатцентре «Наука» РАН с готовых файлов

Москва 121099, Шубинский пер., д. 6