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With many complete calculation examples covering many types of aircraft structures, Becoming an aircraft stress engineer is a great companion to the aerospace engineer who wants to acquire real stress analysis hands-on experience rapidly. Filled with some advice and personal comments, the book guides the reader similar in a way to a mentor-ship by demonstrating how to perform analyses on aircraft structures starting from drawings and resulting in aircraft certification stress reports.

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Bruce K. Donaldson was first exposed to aircraft inertia loads when he was a carrier-based US Navy antisubmarine pilot. He subsequently worked in the structural dynamics area at the Boeing Company and at the Beech Aircraft Corporation in Wichita, Kansas, before returning to school and embarking on an academic career in the area of structural analysis.

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Library of Congress Cataloging in Publication DataDonaldson, Bruce K.Analysis of aircraft structures : an introduction / Bruce K. Donaldson. – 2nd ed.p. cm. – (Cambridge aerospace series)Includes bibliographical references and index. ISBN 978-0-521-86583-8 (hardcover)1.

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