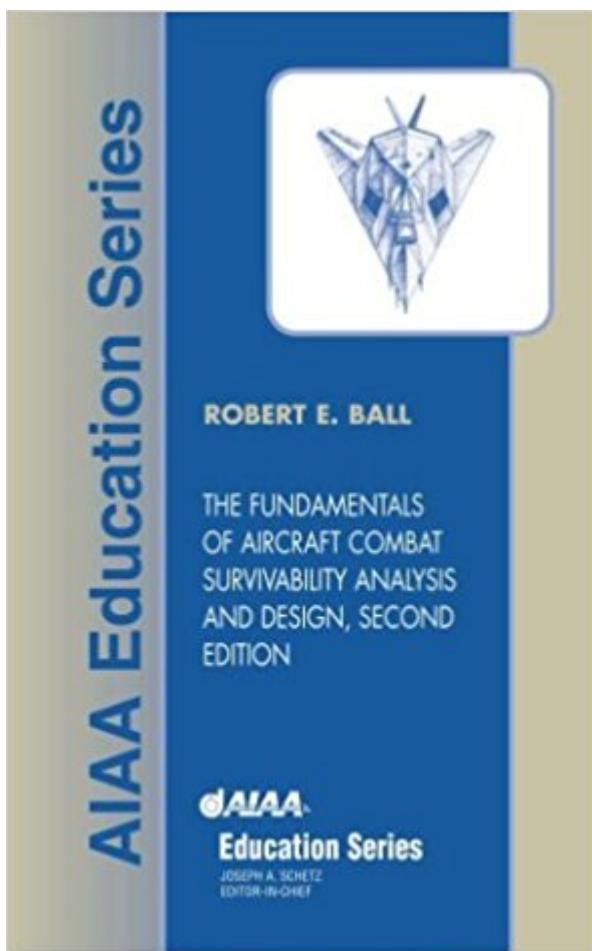


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# The Fundamentals Of Aircraft Combat Survivability Analysis And Design, Second Edition (AIAA Education)



## Synopsis

The only text of its kind and required reading for anyone involved in design of air combat vehicles, aircraft combat survivability is an established design discipline for U.S. military aircraft. More importantly, survivability is now an essential part of the U.S. Department of Defense acquisition process. Furthermore, improving public health, safety, and survivability is now woven throughout the civil and commercial sectors. From infant car seats to the design of aircraft cargo bay structures that can withstand internal bomb blasts, the U.S. Government is establishing survivability standards. The extensively illustrated 2nd edition presents the fundamentals of the aircraft combat survivability design discipline as defined by the DoD military standards and acquisition processes. It provides the history of, the concepts for, and the assessment methodology and the design technology for the combat survivability analysis and design of fixed- and rotary-wing aircraft, UAVs, and missiles. Each chapter specifies learning objectives; stresses important points; and includes notes, references, bibliography and questions.

## Book Information

Series: AIAA Education

Hardcover: 889 pages

Publisher: AIAA (American Institute of Aeronautics & Ast; 2nd edition (August 1, 2003)

Language: English

ISBN-10: 1563475820

ISBN-13: 978-1563475825

Product Dimensions: 9.4 x 6.2 x 2 inches

Shipping Weight: 3.7 pounds (View shipping rates and policies)

Average Customer Review: 4.6 out of 5 stars 4 customer reviews

Best Sellers Rank: #736,188 in Books (See Top 100 in Books) #126 in Books > Engineering & Transportation > Engineering > Aerospace > Aircraft Design & Construction #292 in Books > Engineering & Transportation > Engineering > Military Technology #410 in Books > Textbooks > Engineering > Aeronautical Engineering

## Customer Reviews

For those concerned about aircraft survivability, there is no comparable resource. --Lowell Tonnessen, Ph.D., Assistant Director, Operational Evaluation Division, Institute for Defense Analyses  
THE bible of aircraft survivability! --Major Robert "Wanna" Mann Chief, B-2 Branch, Wright-Patterson AFB  
This book belongs on the desk of everyone who works in the survivability

field. --Dennis A. Fenn, Strategic Development, Boeing Phantom Works

Purchased for a basic overview of threat and survival systems and that's exactly what the book provides. The book is intended for engineers designing the aircraft, and parts are very equation heavy, but overall is more narrative. Appendices helped the most with "tell me how it works" for threat systems. Published in 1988, it's dated material is good for conceptual and foundational knowledge as well as putting new technologies into context.

Very Good

This book is phenomenal. There is nothing else like it!

The benchmark for aircraft survivability resources. Outstanding reference for anyone interested in aircraft survivability, from the design engineer to the tactically proficient pilot.

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