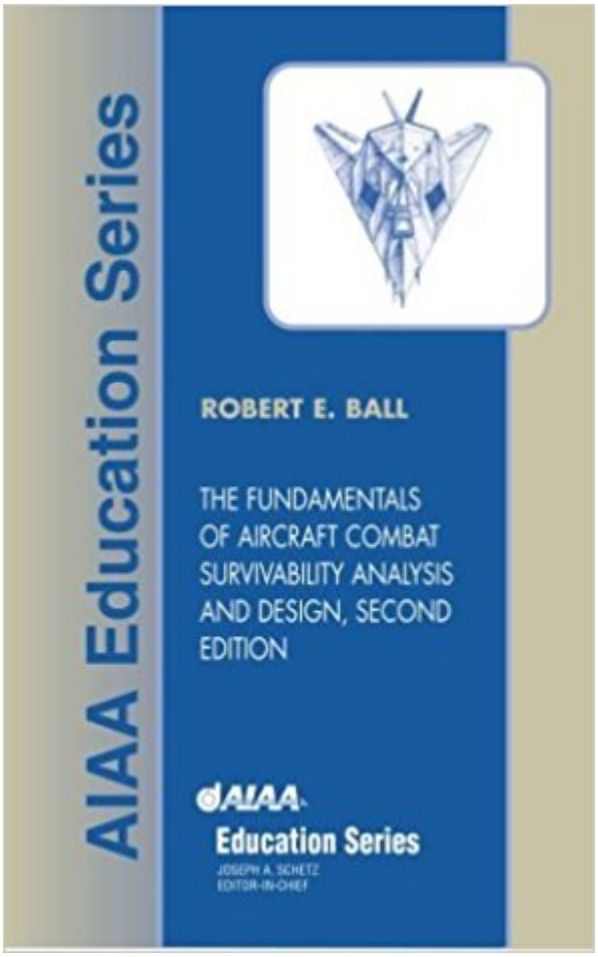
The Fundamentals Of Aircraft Combat Survivability Analysis And Design, Second Edition (AIAA Education)



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

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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 AnalysesTHE bible of aircraft survivability! --Major Robert "Wanna" Mann Chief, B-2 Branch, Wright-Patterson AFBThis 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.

(Aiaa Education Series) Introduction to Aeronautics, Third Edition (AIAA Education Series)

Introduction to Flight Testing and Applied Aerodynamics (Aiaa Education Series)