



# General Aviation Aircraft Design: Applied Methods and Procedures

*Snorri Gudmundsson*

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- Organized by articles and structured in an "equation/derivation/solved example" format for easy access to the content you need
- Numerical examples involve actual aircraft specs
- Contains high-interest topics not found in other texts, including sizing of horizontal and vertical tails to minimize drag, sizing of lifting surfaces to ensure proper dynamic stability, numerical performance methods, and common faults and fixes in aircraft design
- Provides a unique safety-oriented design checklist based on industry experience
- Discusses advantages and disadvantages of using computational tools during the design process
- Features detailed summaries of design options detailing the pros and cons of each aerodynamic solution
- Includes three case studies showing applications to business jets, general aviation aircraft, and UAVs
- Numerous high-quality graphics clearly illustrate the book's concepts (note: images are full-color in eBook only)

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