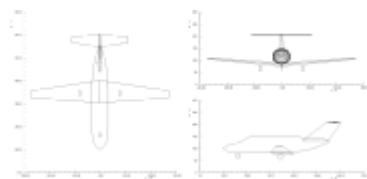


Side View with Component C.G.'s



Airplane 3-View

## New AAA Software Release: April 2009!

### AAA 3.2 New Features & Enhancements:

1. Ability to change number of decimals for each of the 4000+ input and output parameters.
2. Variation of wing location and effect on stability and control is expanded.
3. The forward-aft center of gravity (c.g.) module plots the c.g. envelope with every c.g. combination.
4. Expanded help system.
5. Three-views of the full airplane are generated.
6. Class II center of gravity plot with c.g. excursion.
7. Trim diagrams shows center of gravity limits that are not necessarily forward or aft center of gravity.
8. Z-locations of center of gravity are calculated in forward-aft c.g. module.
9. Nacelle geometry is expanded to work the same way as fuselage geometry.
10. Store geometry is expanded to work the same way as fuselage geometry.
11. Tailboom geometry is expanded to work the same way as fuselage geometry.
12. Empty weight c.g. points plot now includes airplane sideview if it is defined.
13. Calculation of angle of attack at maximum lift coefficient.

Please contact [maryjo@darcorp.com](mailto:maryjo@darcorp.com) for new and upgrade license pricing. AAA Software Maintenance clients will receive AAA Version 3.2 on CD-ROM! • [www.darcorp.com/Software/AAA](http://www.darcorp.com/Software/AAA)

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## Aircraft Performance Program: APP-Basic!

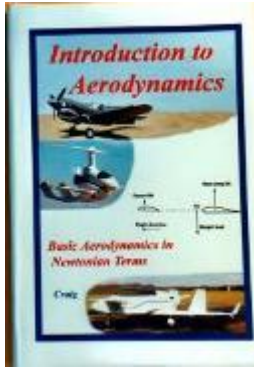
APP-Basic is newly introduced as an answer to individuals and start-up aerospace and engineering companies that do not have a budget for the high-end APP-Professional package.

Aircraft Performance Program (APP) computes the complete range of performance parameters over a user-specified range of altitudes, speeds and other variables. The program is designed for simplicity and flexibility in its use and provides the user with useful quick-look (evaluate) functions for the examination of a wide variety of data (e.g. thrust, fuel flow, lift, drag, SEP, turn rate, etc.)

APP-Basic is similar to APP-Professional, offers one aircraft example and has fewer features than APP-Professional. • [www.darcorp.com/Software/app/](http://www.darcorp.com/Software/app/)

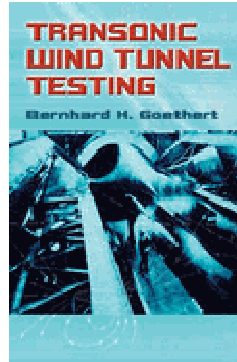


## New Aeronautical Engineering Books!



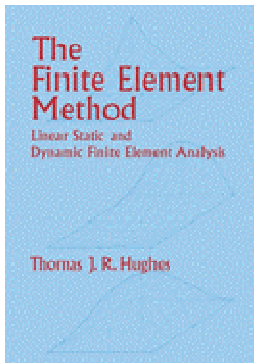
**Introduction to Aerodynamics**  
Gail Craig • \$29.50

While avoiding the mathematical complexity of advanced theory for professional aerodynamicists, the level herein is appropriate for general aviation professionals, flight schools, engineers and as enrichment for students of physics.



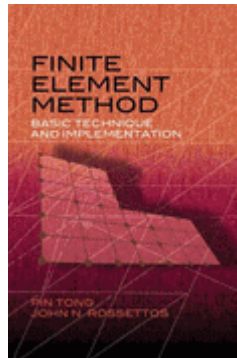
**Transonic Wind Tunnel Testing**  
Bernhard H. Goethert. • \$24.95

This book explores numerous related areas, including wall interference corrections in conventional wind tunnels, subsonic flow in a variety of wind tunnels, and test results from transonic wind tunnels.



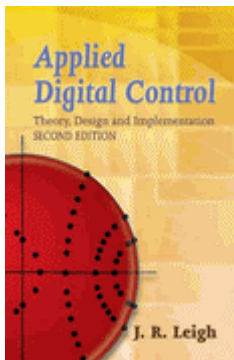
**The Finite Element Method: Linear Static and Dynamic Finite Element Analysis**  
Thomas J.R. Hughes • \$29.95

This book cultivates comprehensive skills in linear static and dynamic finite element methodology.



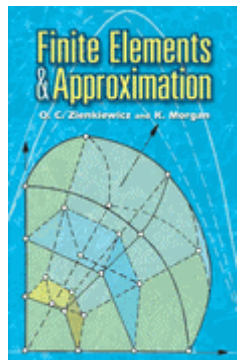
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This book introduces mathematical foundations, developing them coherently and rigorously to reveal the method's broad applications.



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