

COVID-19 Update:

In June, Lawrence, Kansas allowed the re-opening of restaurants, small businesses and bars, which resulted in a HUGE surge of active cases. The bars were again closed down and masks became mandatory.

DARcorporation is still on lock down and no visitors or unauthorized personnel are allowed on premises. Corporate travel is banned and attendance of large group gatherings and social events are discouraged.

In the last 3 months, DAR engineers have finished our new control room and test lab which will house our propeller/ducted fan test stand and newly designed distributed electric propulsion wing test stand. We can now perform multiple tests simultaneously.

As always, we hope you are all doing well and surviving the pandemic.

Willem & MaryJo Anemaat

Featured Services

Propeller/Rotor Design and Testing

DARcorporation offers structural, aerodynamic and performance design services for propellers and rotors. We have extensive experience using composite, metal and 3D printed plastic materials.

After the design is optimized, we will use our state-of-the-art testing facilities to test your propeller/ducted fan system through a full range of operating conditions.



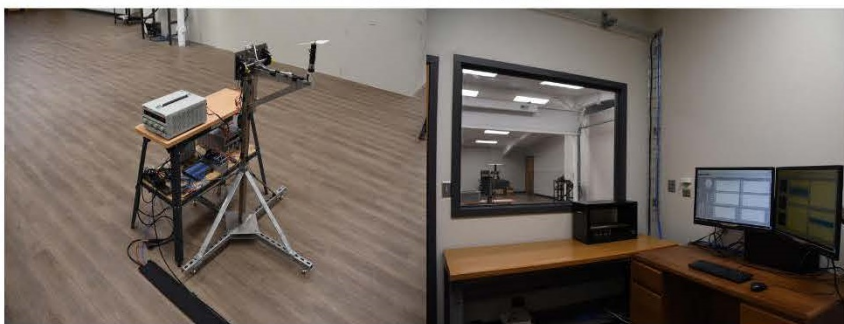
DEP Test Stand

The Distributed Electric Propulsion (DEP) Wing Test Stand is designed to measure the aerodynamic forces and moments produced by electrically powered propellers blowing across a wing mounted to the stand. The test stand supports a wide range of wing configurations and a number of propulsion units. Motor parameters and propeller RPM are also monitored during testing.



Control Room and Testing Laboratory

We recently finished our new control room and moved our propeller/ducted fan test stand to the newly created test lab. That same lab houses our new distributed propulsion test stand. We are now capable of performing simultaneous tests without requiring modification of the test stand. We developed a calibration stand and equipment to account for test stand interference, a capability that is unique in the industry.



[Contact Us](#) to learn more about our Test Stands and Services.

Software Tips & Tricks

AAA Basics: Theory Help and Variable Info

This tutorial shows how to work with the Theory, Help and the Variable Info in Advanced Aircraft Analysis. The Theory, Help and Variable Info are a powerful aid that makes your aircraft design easier.

Span	Input	Output
8.0000	0.0000	7.5489
11.2910	0.0000	11.1240
22.2910	0.0000	21.2440
34.1270	0.0000	31.4690
45.5630	0.0000	41.6940
56.9990	0.0000	51.9190
68.4350	0.0000	62.1440
79.8710	0.0000	72.3690
91.3070	0.0000	82.5940
102.7430	0.0000	92.8190
114.1790	0.0000	103.0440
125.6150	0.0000	113.2690
137.0510	0.0000	123.4940
148.4870	0.0000	133.7190
159.9230	0.0000	143.9440
171.3590	0.0000	154.1690
182.7950	0.0000	164.3940
194.2310	0.0000	174.6190
205.6670	0.0000	184.8440
217.1030	0.0000	195.0690
228.5390	0.0000	205.2940
240.0000	0.0000	215.5190

Digital Textbooks

Digital versions of most titles from the DARcorporation book store are available through Amazon Print on Demand (Kindle Direct Publishing). This option is ideal for customers who may be teaching or taking online courses. [Click Here](#) for a full selection of available titles.

Aerospace Short Courses

Free History of Airplane Design Webinar

Join [Dr. Jan Roskam](#) as he profiles some of the best and worst airplane manufacturers in his webinar "History of Airplane Design". Learn from a legend in aircraft design how some of today's best known companies got started, persevered or went bankrupt, merged or made it on their own.

Each one-hour webinar focuses on specific companies and their contributions to the commercial, military and transport aircraft industries. All webinars are free. Please register through the links below.

[History of Airplane Design: The French Airplane Manufacturers](#) (August 12)

[History of Airplane Design: The English Airplane Manufacturers – Part I](#) (October 7)

[History of Airplane Design: The English Airplane Manufacturers – Part II](#) (November 4)



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