



FOR IMMEDIATE RELEASE

HYPERSizer® SOFTWARE RAISES THE BAR ON AEROSPACE COMPOSITE DESIGN WITH NEWLY RELEASED VERSION 5.8

Hampton, VA, October 22, 2009. Collier Research Corporation unveils HyperSizer 5.8, the newest version of its structural sizing software for aircraft and aerospace composite design.

"The release of HyperSizer 5.8 introduces key innovative features never before available in composite analysis and design software. What we are really creating for the customer is the opportunity to have huge weight savings with composites, even when taking into account the damage tolerance knock-downs required and the environmental effects of space," commented Ivonne Collier, Vice President, Collier Research Corporation. "We are always learning from our users what they want and need, and we have incorporated some compelling new features as a result."

These features include a new series of laminate composite failure methods that allow the user to account for damage tolerance effects such as Compression After Impact (CAI), Tension After Impact (TAI), and Barely Visible Damage (BVID). In addition, a new method for managing composite material correction factors has been introduced with corrections accounting for temperature, thickness, open hole diameter, percent 45 plies, and Angle Minus Load (AML) number. These tools include the ability to evaluate what-if scenarios and to graphically plot their allowables as functions of any independent variable (temperature, thickness, etc).

HyperSizer V5.8 is also introducing a new "Detail Analysis" form that will give the user better visibility to all of the inputs and outputs for each failure analysis. The first failure method implemented into this new form is the BJSFM (Bolted Joint Stress Field Method) analysis method for analyzing composite bolted joints. The user now has full control over the inputs to BJSFM as well as visibility to the applicable factors and output data. The detail analysis form will give users a much better understanding of the analyses being performed.

Experienced HyperSizer users will be pleased to see enhancements throughout the software. Particularly of interest is an enhancement to the Failure tab where the user can now choose to display Margins of Safety either at the controlling load case or display the minimum margin for each failure mode for all load cases.

About Collier Research Corporation

Collier Research Corporation is a leading engineering software provider to the aerospace industry and NASA, providing structural tools, methods research, and software solutions with its flagship product, HyperSizer. As a trusted industry leader, HyperSizer provides aerospace stress analysis and sizing optimization, reducing the weight of aircraft and space vehicles, whether designed with composites or traditional metallic materials. HyperSizer is developed by engineers, for engineers, and is currently being used by NASA on the Crew Exploration Vehicle, the Ares I and Ares V launch vehicles, and by aerospace industry leaders such as Boeing, Lockheed Martin, Bombardier, and Gulfstream for commercial transport planes and business jets. For more information, visit www.hypersizer.com.

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