Better Geometry – Better Models Great Designs

AVID Software Suite

www.avidaerospace.com

AVID LLC is pleased to offer our customers a comprehensive suite of standards based, platform independent aircraft design and optimization software. AVID engineers are committed to developing and maintaining validated software tools for multi-disciplinary design, analysis and optimization.

Our suite of software tools work together to provide an iterative method for design optimization. From concept to completion, AVID's software suite offers the user a **full range of design, modeling, optimization, analysis and geometry tools** that is vastly superior to other aircraft design methods. The diagram below illustrates how AVID's comprehensive software suite works together to enhance and document aircraft design activities.

AVID OAV: (Organic Air Vehicle) a validated multi disciplinary design and optimization code for ducted-fan UAVs.

AVID ACS-ACSYNT: (Aircraft Synthesis**)** a widely used multi-disciplinary aircraft synthesis program for application in the early design stages of an aircraft.

AVID VorView: (Vortex Lattice Method), a tool for aero performance prediction.

AVID APEX (Aerodynamic Prediction Express) Fast aerodynamic prediction of arbitrary configurations in the subsonic, transonic and supersonic flight regimes.

AVID RAPT: (Rapid Aerodynamic Prediction Tool) which can evaluate 3D wing assembly aerodynamics and interactions based on geometry and 2D airfoil data.

AVID PAGE: (Parametric Aircraft Geometry Engine) a tool for generating aircraft geometry.

AVID SPOT: (Software Pixels on Target) a tool used to integrate design and sensor specifications to optimize total vehicle design.