Comparison between ADS V327 and ADS V416

	ADS V327	ADS V416	ADSVxyz	Notes
Session				
Multiple Airplanes		x	x	
Save/Load		x	x	
On-Line Help				
Technical Notes	x	x	x	
Historical Values	x	x	x	
Links to Internet		x	x	
Database				
Airplane	x	x	x	
Engines	x	x	x	
Airfoils	x	x	x	
Materials		x	x	
Batteries		x	x	
Tires		x	x	
Fuels		x	x	
Regulations		x	x	
Airplanes				
Category				
UAV, Light, Light Transport	x	x	x	
Airliners			x	
Configuration				
Conventional	x	x	x	
Canard	x		x	
3-Surface	x		x	
Tandem			x	
Boxwing			x	
Processing				
Design Level1	x	x	x	
Design Level 2	x	x	x	
Performance Analysis	x	x	x	
Dynamic Stability			x	
Geometry				
Winglets	x	x	x	
Tailbooms	x	x	x	
Nacelles	x	x	x	
Pylons	x	x	x	
Lifting Surface				
Multiple trapezoidal sections		x	x	
Control Surfaces	x	x	x	
High Lift Devices	x	x	x	
Tanks	x	x	x	
Fuselage				
Flightdeck/Cabin			x	
Gearbays/Cargobays			x	
Tanks	x	x	x	
Power plant				
Multi-Engine	Up to 10	No limit	No limit	
Position				
Fuselage	x	x	x	
Wing	x	x	x	
Fin		x	x	
IC	x	x	x	
Turboprop	x		x	
TurboJet/TurboFan	x		x	
Electric	x	x	x	
Propellers				
Tractor/Pusher	x	x	x	
Hub		x	x	
Spinner		x	x	
Fixed Pitch/Variable Pitch/Constant Speed	x	x	x	
Ducted Propeller			x	
Landing gear				
Nose/Tail/Single	x	x	x	
Fixed/Retractable	x	x	x	
Visualisation of the retracted position		x	x	
Fairings	x	x	x	
Systems				
Electric System	x	x	x	
Power Chain efficiency		x	x	
Power Consumption by Systems		x	x	
Batteries	x	x	x	
Instruments	x	x	x	
Avionics	x	x	x	
Control System	x	x	x	

Hydraulic System	x	x	x	
Brakes	x	x	x	
Structure				
Spars/Ribs			x	
Frames/Bulkhead			x	
Performance				
Stall/Takeoff/Climb/Cruise/Descent/Landing	x	x	x	
Processing				
Maximum Cruise Speed	x	x	x	
Best Range	x	x	x	
Best Endurance	x	x	x	
Cost Analysis				
Market Price	x	x	x	
Development Costs			x	
Operating Costs			x	
Stability Derivatives	x	x	x	
Static Stability	x	x	x	
Dynamic Stability				
Eignemodes			x	
3D Flight Path			x	
Fudge Factors		x	x	
CAD				
Auto generation	x	x	x	
3D-Shape Generator		x	x	
Real-Time modifications		x	x	
User-Friendly		x	x	
3D Visualisation of				
Control Surfaces		x	x	
High-Lift Devices		x	x	
Center of Gravity		x	x	
Mean Aerodynamic Chord		x	x	
Inrenal components				
Engines		x	x	
Pilots		x	x	
Tanks		x	x	
Structure		x	x	
Cabin/Flightdeck			x	
Cargobays/gearbays			x	
Solid/Wireframe	x	x	x	
Transparency		x	x	
Export				
Xplane	x			
STL		x	x	
BDF			x	
Toolbox				
Mass		x	x	
Database				All the databases may be easily updated by the user
Airplane Database	x	x	x	
Number of dataset	97	0		
Airfoil Database	x	x	x	
Number of dataset	120	36		
Auto generation using Xfoils		x	x	
Any shape		x	x	
Engine Database	x	x	x	
Number of dataset (Total)	200	245		
Number of dataset (Electric)	2	5		
Tire database		x	x	
Number of dataset (Total)		240		
Material Database		x	x	
Fuel Database		x	x	
Airworthiness database		x	x	