COMPREHENSIVE SOLUTIONS FEATURES GRID

				"A/A	
	MATERIALS DATABASE	CL	DT	EIE	fe-safe/Rubber™
MATERIAL MODELS	Materials database	x	х		х
	Hyperelastic laws: Neohookean, Arruda-Boyce, Mooney-Rivlin,				
	Reduced Polynomial, Van der Waals, Ogden	X	X		X
	Mullins Effect	X	X		Х
	Crack Growth Rate laws: Thomas, Lake-Lindley, table-lookup	X	X		X
	Crystallization laws: None, Mars-Fatemi, table lookup	X	Х		Х
	Ozone attack, creep crack growth	X	Х		X
	Temperature dependence: coefficient or table-lookup	Х	Х		coefficient only
	Hysteresis / Self-heating: powerlaw, Kraus, Table-Lookup	Х	Х		
	Critical plane analysis	Х	Х		Х
PROCEDURES	Total formulation fatigue solver	Х			X
	Safety Factor / Infinite Life Design	х			
	Safe Life Design	Х			
	Rainflow counting w/time indices preserved for event identification	х	Х		Х
	Block cycle generation from road loads	Х			
	Signal defeaturing	х			
	Rolling structures (ie tires) with axi- or cyclic- symmetry	Х	Х		
	Periodic results transfers for tires	x	Х		
	Diagnostics: critical plane vector, load history on critical plane,				
	crack open/close history	х	X		X
	Endurica Viewer	Х	X		Note 1
	Incremental formulation fatigue solver		Х		
	Ageing	Х	Х		
	Security encryption	X	X		
	Block cycle schedules / multi-step protocols		Х		Miner's rule
	Sequence effects		X		
	Restart capability		Х		
	Stiffness loss cosimulation		X		
	Residual life		Х		
	Digital Twin applications		X	Х	
	Nonlinear load/displacement->stress/strain map			X	
	Auto-generation of FE model boundary conditions for map generation			X	
	As many as 6 independent input channels			X	
	Mapping methods: Case Vectors, Spiral Grid, User-Defined Accelerated strain history generation			X	
	Accelerated strain history generation Multi-threading / parallel processing	v	v	X	v
	Damage extrapolation	Х	X	Х	X
	иападе ехи ариалин		Х		
FE CODES	Abaqus	Х	Х	Х	Х
	Ansys	х	X	Х	
끭	Marc	Х	X	Х	
	fe-safe/Rubber			Х	
LICENSING	Node-locked	х	Х	Х	
	Network floating	X	Х	X	Available only
	Annual lease	X	Х	X	through
	Perpetual	х	Х	х	Dassault
	Maintenance and support	Х	Х	Х	Systems
	Single site, Regional, Clobal	х	Х	х	

C-SUITE INSIGHTS

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