

FEMtools 3.4 Standard Configurations Matrix (Unlimited Database Versions)							
FEATURES	CONFIGURATIONS	FEMtools 3.4 Framework	FEMtools 3.4 Dynamics	FEMtools 3.4 Correlation	FEMtools 3.4 Model Updating	FEMtools 3.4 Optimization	FEMtools 3.4 Full Version
Desktop (Menu Interface, Command Language, Graphics Viewers)		•	•	•	•	•	•
Database Management		•	•	•	•	•	•
FEMtools Script (incl. Mathematical Functions Library)		•	•	•	•	•	•
FEMtools API (Application Programming Interface)		•	•	•	•	•	•
ABAQUS Interface and Analysis Driver		(•)	(•)	(•)	(•)	(•)	(•)
ANSYS Interface and Analysis Driver		(•)	(•)	(•)	(•)	(•)	(•)
NASTRAN Interface and Analysis Driver		(•)	(•)	(•)	(•)	(•)	(•)
UNIVERSAL FILE Interface and Analysis Driver		(•)	(•)	(•)	(•)	(•)	(•)
Test Data Interface (Universal File)		•	•	•	•	•	•
Mesh Tools (Generation, Quality, Morphing,...)		•	•	•	•	•	•
Finite Element Matrices Library		•	•	•	•	•	•
Mass Analysis		•	•	•	•	•	•
Basic FEA Solvers (Static, Modes)		(•)	•	•	•	•	•
Rigid Body Properties Extractor		(•)	(•)	(•)	(•)	(•)	(•)
Frequency Response Analysis			•	•	•	•	•
Structural Dynamics Modification			•	•	•	•	•
Pretest Analysis				•	•	•	•
Shape and Function Correlation Analysis				•	•	•	•
Sensitivity Analysis					•	•	•
Design of Experiments / Response Surfaces					•	•	•
Probabilistic Analysis					•	•	•
Model Updating					•	•	•
Harmonic Force Identification					•	•	•
General Non-Linear Optimization						•	•
Design Optimization (topology, topometry, shape, size)						•	•
(•) = Optional module							

FEMtools 3.4 Academic Configurations Matrix (Limited Database Versions)	CONFIGURATIONS		
	FEMtools 3.4 Model Updating – Academic	FEMtools 3.4 Optimization - Academic	FEMtools 3.4 Full Version - Academic
FEATURES			
Desktop (Menu Interface, Command Language, Graphics Viewers)	•	•	•
Database Management	•	•	•
FEMtools Script (incl. Mathematical Functions Library)	•	•	•
FEMtools API (Application Programming Interface)	•	•	•
ABAQUS Interface and Analysis Driver	•	•	•
ANSYS Interface and Analysis Driver	•	•	•
NASTRAN Interface and Analysis Driver	•	•	•
UNIVERSAL FILE Interface and Analysis Driver	•	•	•
Test Data Interface (Universal File)	•	•	•
Mesh Morphing	•	•	•
Finite Element Matrices Library	•	•	•
Mass Analysis	•	•	•
Basic FEA Solvers (Static, Modes)	•	•	•
Rigid Body Properties Extractor (Add-on)	•	•	•
Frequency Response Analysis	•	•	•
Structural Dynamics Modification	•	•	•
Pretest Analysis	•	•	•
Shape and Function Correlation Analysis	•	•	•
Sensitivity Analysis	•	•	•
Design of Experiments / Response Surfaces	•	•	•
Probabilistic Analysis	•	•	•
Model Updating	•	•	•
Harmonic Force Identification	•	•	•
General Non-Linear Optimization	•	•	•
Design Optimization (topology, topometry, shape, size)	•	•	•