



GRADUATE-POST GRADUATE-RESEARCH SCHOLAR

NAME	TYPE	ORIGIN	MECHANISM	EXAMPLES - WEAVING MECHANISM		
DORNIER	RAPIER	GERMANY	CONJUGATE CAM			
DORNIER	AIRJET	GERMANY	CONJUGATE CAM			
SULZER	RAPIER	SWITZERLAND	CONJUGATE CAM			
SULZER	AIRJET	SWITZERLAND	CONJUGATE CAM			
PICANOL	RAPIER	BELGIUM	CONJUGATE CAM			
PICANOL	AIRJET	BELGIUM	CONJUGATE CAM			
TSUDAKOMA	AIRJET	JAPAN	FOUR BAR			
TSUDAKOMA	WATER JET	JAPAN	FOUR BAR			
TSUDAKOMA	AIRJET	JAPAN	SIX BAR			
TOYATA	AIRJET	JAPAN	CONJUGATE CAM			
TOYATA	WATER JET	JAPAN	FOUR BAR	FOUR BAR ROCKER MECHANISM - WATER JET WEAVING		

LITERATURE - TECHNICAL PAPER-UNIVERSITY-INSTITUTION

KINEMATIC PARAMETER				
REED PATH				
REED VELOCITY				
REED ACCELERATION				
X-Y POSITION				

INITIAL DATA-KINEMATIC-KINETO-STATICS-OUTPUT-MATHEMATICAL TECHNOLOGY-CAE/CAD/CAM/MBD

KINETO-STATICS PARAMETER				
MASS-M.I.-C.G				
REED FORCE				
HINGE FORCES				
WP-O/P TORQUE				

PROGRAM	FUNCTIONS	EXPORT FILES-APPLICATION	EXPRESSION
MATH ILLUSTRATIONS	Segment-polygon-ellipse-circle-parabola-hyperbola-vector-etc.	IMAGE-ENCAPSULATED POST SCRIPT-WINDOWS ENHANCED METAFILE-SCALABLE VECTOR GRAPHICS-ANIMATION	IMPLICIT EQUATION-PARAMETRIC EQUATION
GEOMETRY EPRESSIONS	Segment-polygon-ellipse-circle-parabola-hyperbola-vector-etc.	ABOVE + HTML-HTMLS/JAVA SCRIPT APP-LUA APP-OS X DASHBOARD WIDGET-MAPLE-MATHEMATICA-SOURCE CODE-MAXIMA INPUT	IMPLICIT EQUATION-PARAMETRIC EQUATION
MECHANICAL EXPRESSIONS	Segment-polygon-ellipse-circle-parabola-hyperbola-vector-etc.	ABOVE + HTML-HTMLS/JAVA SCRIPT APP-LUA APP-OS X DASHBOARD WIDGET-MAPLE-MATHEMATICA-SOURCE CODE-MAXIMA INPUT	IMPLICIT EQUATION-PARAMETRIC EQUATION

PROGRAM	NAME	APPLICATION	KINEMATICS	KINETO-STATICS	APPLICATION PROGRAM
MECHANISM DESIGN	SAM	CAE	POSITION-VELOCITY-ACCELERATION-PATH	TORQUE-FORCE-POWER	EXPORT-ANALYSIS DATA-GRAPH-DXF
STRUCTURAL-FEA-STSTIC-DYNAMIC ANALYSIS	APM	CAE	MACHINE ELEMENT-MATERIAL DB-PDM	STRUCTURAL ANALYSIS-FEA-STSTIC-DYNAMIC	EXPORT-ANALYSIS DATA-RTF-STSTIC-DYNAMIC-DXF
2D-3D-ASSEMBLY-PDM	KOMPAS	CAD	MATERIAL DB-PDM-BOM	2D-3D-ASSEMBLY.MASS	EXPORT TO UNIVERSAL MECHANISM
2D-3D-ASSEMBLY-PDM	VARICAD	CAD	MATERIAL DB-PDM-BOM	2D-3D-ASSEMBLY.MASS	EXPORT TO UNIVERSAL MECHANISM
MULTI-BODY ANALYSIS	UM	MBD	MULTI-BODY DYNAMICS	MULTI-BODY DYNAMICS	EXPORT ANALYSIS OUTPUT