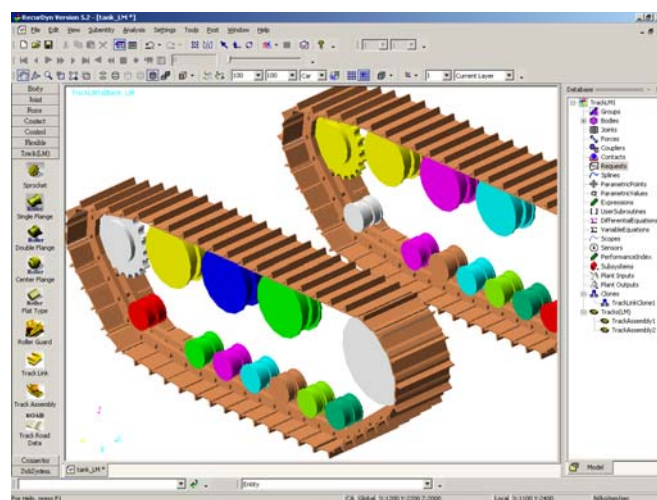
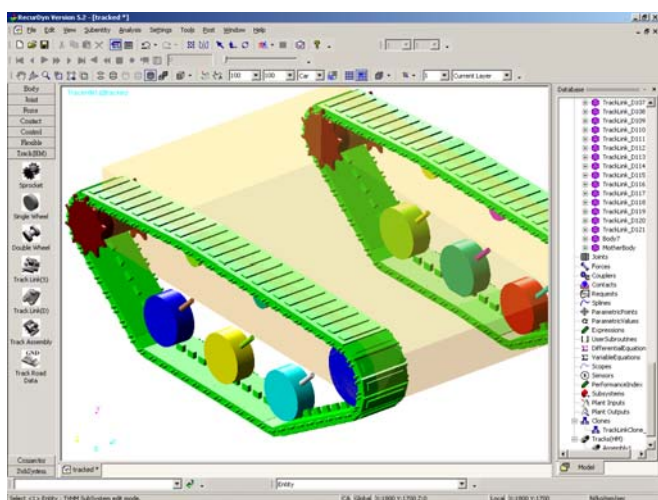


多體動力學(Multibody Dynamics)分析軟體比較

	<i>RecurDyn</i>	A 軟體	D 軟體	S 軟體
Formulation	Complete Recursive (Recursive without elimination)	Augmented	Augmented	Projection Methods(Recursive with elimination)
Coordinate System	Relative	Absolute	Absolute	Absolute / Relative
Governing Equation	ODE/Minimum DAE-Close loop	DAE	DAE	ODE/Minimum DAE-Close loop
Calculation	Strict order n(1.0)	Order 1.5-3	Order 1.5-3	Order n(1.0)
Numerical Method	Numeric	Numeric	Numeric	Symbolic / Numeric
Integration Method	Implicit / Hybrid	Implicit	Explicit type Implicit	Explicit type Implicit
Numerical Damping	Machematical (Freq.) Based	Artificial Based	No	No
Flexible	Yes	Yes	Yes	Yes

特殊車輛底盤設計工具箱



針對履帶車輛運動特殊性，提供鏈齒輪、誘導輪、支撐輪、履帶片、複合履帶等元件外，可自定地貌圖形檔。使用者只需輕鬆點擊各個部件就可完成整個履帶系統的裝配。參數化車輪，履帶和鏈輪接觸，鏈輪輪齒設計。RecurDyn/HM-Track和RecurDyn/LM-Track 工具箱自動定義履帶各個部件之間的接觸，也提供豐富的路面供使用者選擇。包含根據Bakker理論所定義之軟性路面。