

車輛工程系 Department of Vehicle Engineering

車輛底盤系統設計與分析 Design and Analysis of Vehicle Chassis System

車輛底盤系統實驗室 Vehicle Chassis System Lab.



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- 研究領域
 - 車輛運動行為分析及操控舒適技術發展
 - 車輛懸吊轉向系統分析與調校技術發展
 - 車輛動力系統規劃與傳動系統設計
 - 車輛機構創新設計與分析

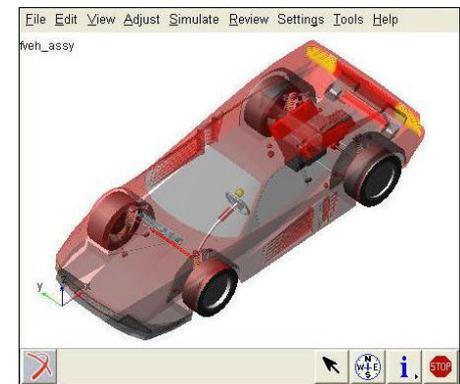
- 近期研究主題
 - 自我供電式主動懸吊系統之發展
 - 新型硬點可調式前輪懸吊系統之發展
 - 新型動力混合車輛傳動裝置之發展
 - 行星齒輪式直線機構之發展與應用

- Research Area
 - Vehicle Dynamic Analysis & Development of Vehicle Handling and Ride Technology
 - Analysis and Development of Tuning Technology for Vehicle Suspension and Steering Systems
 - Vehicle Powertrain Planning & Transmission System design
 - Innovation Design and Analysis of Vehicle Mechanism

- Recent Topics
 - Development of A New Front suspension System with Adjustable Hardpoint
 - Development of Self-Powered Active Suspension System
 - Development of New Transmission Device for Hybrid Electric Vehicle
 - Development and Application of Planetary Gear Trains for Straight-Line Motion



車輛舒適性測試平台
Four Post Test Rig (for Vehicle Ride)



電腦輔助車輛工程分析軟體ADAMS
Computer Aided Vehicle Engineering
Analysis Software ADAMS



車輛傳動系統測試平台
Vehicle Transmission System Test Rig