Simulation Analysis and Engineering Calculation Capabilities

Finite Element Analysis

- Statics
- Dynamics

Thermal Stress Analysis:
- Steady-State (transient) Thermal Analysis
- Static Structural Analysis

Dynamic Stress Analysis
- Modal analysis
- Response Spectrum
- Time History

Frequency Response Analysis

Knowledge-Based Engineering

- Vehicle Slip/Stall Torque Calculations
- Spline Stress Analysis
- Bolted Joint Analysis
- Axle Housing Stress Analysis
- Cumulative Damage Analysis
- Shaft Stress Calculations

Metal Forming Simulation

- Material Flow Prediction
- Part Defect Prediction
- Final Part Geometry Analysis
- Part Analysis Through Entire Forming Process
- Optimization of the Forming Sequence
- Optimization of Tool Life
- Forming Load and Press Deflection Predictions

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