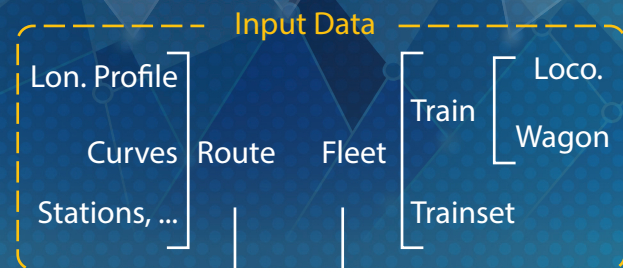


System performance summary



Locomotive Sizing

Operation Graph



Outputs

Various Motion Graphs
Fuel/Energy Consumption
Other Reports

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Introducing

PSRSiM

Train Dynamics Simulator

PSRaily Co.

Prologue

The PSR-SiM software has been developed to simulate dynamics of trains. By this software, the rolling stock items and all train compositions can be defined and modeled.

Further, the trains movements can be simulated on existing or assumed tracks and various movement parameters could be calculated.

Key Features

- Defining the rolling stock items using power and physical parameters.
- Calculating resistance forces using sets of optional formulas.
- Composing any assumed train using defined items, which can be used in each new or existing simulation project.
- Defining vertical and horizontal geometries, stations, tunnels & speed limit ranges.

- General/Custom simulations of train dynamics, using optional conditions, which provides precise comparison analysis.
- Various dynamics output parameters (speed, acceleration, time, position, etc).
- Advanced operation graph composer tool.
- Advanced locomotive sizing tool.
- Load and passenger capacity analysis.
- Flexible and editable reports including charts and data tables to PDF, M.S.Excel, etc.

