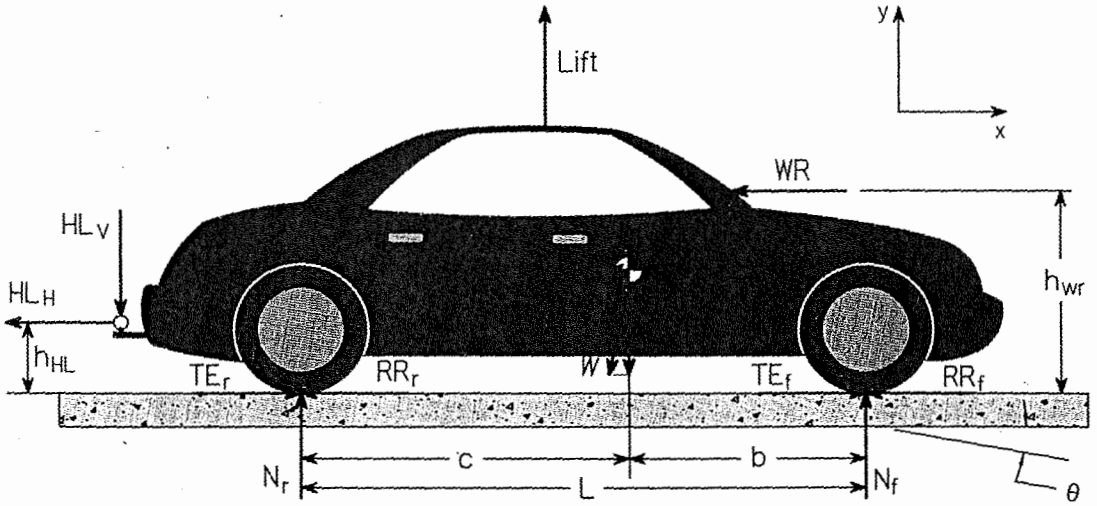
Automotive Powertrains



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powertrain. It is an introductory text on the topic, but it will provide the interested reader with a basis for understanding the fundamentals of automotive engines and automotive transmissions, and more importantly how to select those components to provide the optimum compromise between acceleration performance, gradeability performance and fuel economy performance.

The level of analysis used in the text is not particularly difficult (it is assumed that the reader has a good grasp of engineering mechanics), however the equations derived in the text become the basis for developing computer models that can be used to predict vehicle performance.

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