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the $y_C z_C$ -plane, whereas θ_0 is the angle between the wheel rotation axis e_{yR} and its projection into the $x_C y_C$ -plane.

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FUNDAMENTALS OF VEHICLE DYNAMICS (Bernoulli's Equation assumes incompressible flow, which is reasonable for automotive aerodynamics, whereas the equivalent relationship for compressible flow is the Euler Equation.) The equation is: $P_{static} + P_{dynamic} = P_{total}$ $p_s + \frac{1}{2} \rho v^2 = p_t$ (4-1) where:

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1.1.1 Vehicle Dynamics Vehicle dynamics is a part of engineering primarily based on classical mechanics but it may also involve physics, electrical engineering, chemistry, communications, psychology etc. Here, the focus will be laid

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on ground vehicles supported by wheels and tires.

Vehicle Dynamics - Fundamentals and Modeling Aspects
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