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distributed into three main sections, as illustrated in Figure 1.1: longitudinal,

lateral, and vertical dynamics...

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determine the tractive effort obtainable at each axle. - acceleration - gradeability -

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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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