THEORETICAL RESEARCH REGARDING THE ACTIVE SAFETY SYSTEMS

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In order to validate the ABS/ASR system working algorithm and to accentuate the influences over the braking/starting processes with and without ABS respectively ASR, a plane dynamic model was done for a single wheel of the passenger car. This simplified model of the passenger car has two inertial elements: a wheel and a mass in translational movement (the vehicle).

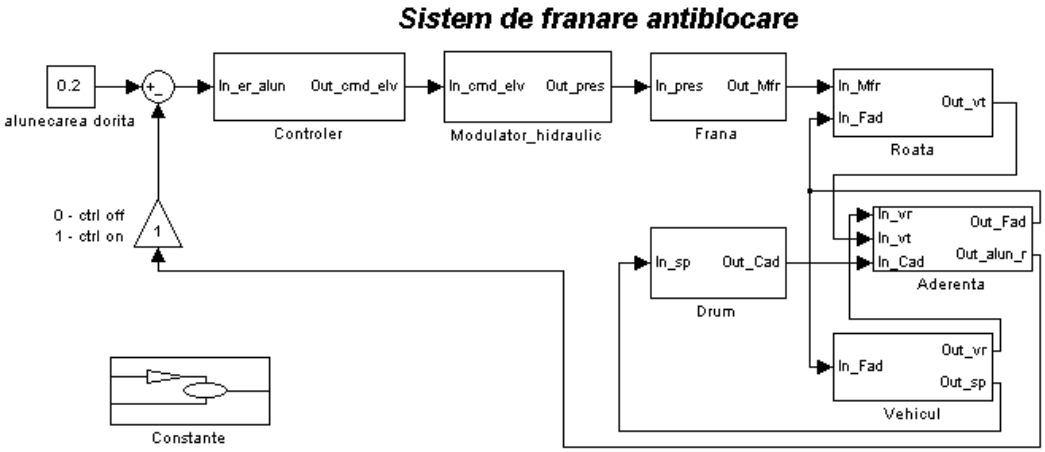

Diagram of the Simulink model for ABS simulation

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