

ISO 8855:2011-12 (E)

Road vehicles - Vehicle dynamics and road-holding ability - Vocabulary

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Axis system	1
3	Vehicle unit	5
4	Vehicle geometry and masses	6
5	Vehicle motion variables	8
5.1	Linear motion variables	8
5.2	Angular motion variables	10
5.3	Terms relating to vehicle trajectory measures	14
6	Forces and moments	15
6.1	Forces	15
6.2	Moments	16
7	Suspension and steering geometry	16
7.1	Steer and camber angles	16
7.2	Steering-axis geometry	20
8	Kinematics and compliances	23
8.1	Kinematics	23
8.2	Compliances	25
9	Ride and roll stiffness	25
10	Tyres	26
10.1	Tyre geometry	26
10.2	Tyre forces and moments	27
10.3	Terms relating to tyre measures	28
11	Input types and control modes	30
11.1	Input types	30
11.2	Control modes	30
12	Responses	31
12.1	General response types	31
12.2	Equilibrium and stability	31
12.3	Lateral response measures	32
12.4	Understeer and oversteer measures	33
Annex A (informative)	Comments on terms and definitions	37
Bibliography		39
Alphabetical index		40