

# ISO 8855:2011-12 (E)

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

---

<b>Contents</b>		<b>Page</b>
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