

DIN ISO 8855:2013-11 (E)

Road vehicles - Vehicle dynamics and road-holding ability - Vocabulary (ISO 8855:2011)

Contents		Page
National Foreword		3
Introduction		4
1	Scope	5
2	Axis system	5
3	Vehicle unit	9
4	Vehicle geometry and masses	10
5	Vehicle motion variables	12
5.1	Linear motion variables	12
5.2	Angular motion variables	14
5.3	Terms relating to vehicle trajectory measures	18
6	Forces and moments	19
6.1	Forces	19
6.2	Moments	20
7	Suspension and steering geometry	20
7.1	Steer and camber angles	20
7.2	Steering-axis geometry	24
8	Kinematics and compliances	27
8.1	Kinematics	27
8.2	Compliances	29
9	Ride and roll stiffness	29
10	Tyres	30
10.1	Tyre geometry	30
10.2	Tyre forces and moments	31
10.3	Terms relating to tyre measures	32
11	Input types and control modes	34
11.1	Input types	34
11.2	Control modes	34
12	Responses	35
12.1	General response types	35
12.2	Equilibrium and stability	35
12.3	Lateral response measures	36
12.4	Understeer and oversteer measures	37
Annex A (informative) Comments on terms and definitions		41
Bibliography		43
Alphabetical index		44