

INTERNATIONAL STANDARD

ISO 14722

First edition
1998-12-15

AMENDMENT 1
2011-05-01

Moped and moped-rider kinematics — Vocabulary

AMENDMENT 1

*Cinématique relative au cyclomoteur et à son conducteur —
Vocabulaire*

AMENDEMENT 1



Reference number
ISO 14722:1998/Amd.1:2011(E)

© ISO 2011

.....



COPYRIGHT PROTECTED DOCUMENT

© ISO 2011

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

Amendment 1 to ISO 14722:1998 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 23, *Mopeds*.

Moped and moped-rider kinematics — Vocabulary

AMENDMENT 1

Page 2, 3.2.1

Replace 3.2.1 with the following:

3.2.1

steering velocity

$\dot{\delta}$

angular velocity of the sprung part of the steering assembly about the z'_f -axis

Page 6, 5.2.7

Replace 5.2.7 with the following:

5.2.7

braking force

negative **tyre longitudinal force** (5.2.3) caused by the application of braking torque in the x_t -direction

Page 6, 5.2.8

Replace 5.2.8 with the following:

5.2.8

conicity force

tyre lateral force (5.2.2) which does not change sign [with respect to the **horizontal tyre axis system** (6.2.2)] with a change in direction of rotation when the **tyre slip angle** (5.1.5) and the **camber angle** (5.1.4) are zero

Page 6, 5.2.9

Replace 5.2.9 with the following:

5.2.9

plysteer force

tyre lateral force (5.2.2) which changes sign [with respect to the **horizontal tyre axis system** (6.2.2)] with a change in direction of rotation when the **tyre slip angle** (5.1.5) and the **camber angle** (5.1.4) are zero

Page 12, 6.7.6

Replace 6.7.6 with the following:

6.7.6

resultant roll angles

angles formed by the planes through either the x_{go} or x_{gg} or x_{ge} -axis and the moped-rider combination's centre of gravity and the z -axis; these are called respectively conventional ($\phi_{go,res}$), geometrical ($\phi_{gg,res}$) and effective ($\phi_{ge,res}$) resultant roll angle

Page 13, 6.7.9.7

Replace 6.7.9.7 with the following:

6.7.9.7

roll velocity

bank velocity

$\dot{\phi}$

angular velocity about the x' -axis

Page 13, 6.7.9.7.1

Replace 6.7.9.7.1 with the following:

6.7.9.7.1

conventional roll velocity

$\dot{\phi}_{go}$

angular velocity about the x_{go} -axis

Page 13, 6.7.9.7.2

Replace 6.7.9.7.2 with the following:

6.7.9.7.2

geometrical roll velocity

$\dot{\phi}_{gg}$

angular velocity about the x_{gg} -axis

Page 14, 6.7.9.7.3

Replace 6.7.9.7.3 with the following:

6.7.9.7.3

effective roll velocity

$\dot{\phi}_{ge}$

angular velocity about the x_{ge} -axis

ISO 9001:2015

14722:1998/Amd.1:2011(E)

ICS 01.040.43; 43.140

Price based on 2 pages