

Author's Accepted Manuscript

Comparison of three local frame definitions for the kinematic analysis of the fingers and the wrist

B. Goislard de Monsabert, J.M.A. Visser, L. Vigouroux, F.C.T. Van der Helm, H.E.J. Veeger



PII: S0021-9290(14)00337-6
DOI: <http://dx.doi.org/10.1016/j.jbiomech.2014.05.025>
Reference: BM6680

To appear in: *Journal of Biomechanics*

Accepted date: 30 May 2014

Cite this article as: B. Goislard de Monsabert, J.M.A. Visser, L. Vigouroux, F.C.T. Van der Helm, H.E.J. Veeger, Comparison of three local frame definitions for the kinematic analysis of the fingers and the wrist, *Journal of Biomechanics*, <http://dx.doi.org/10.1016/j.jbiomech.2014.05.025>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Title: Comparison of three local frame definitions for the kinematic analysis of the fingers and the wrist.

Article type: Original Article

Authors:

Goislard de Monsabert B. ^{1,2}, Visser J.M.A. ^{2,3}, Vigouroux L. ¹, Van der Helm F.C.T. ²,
Veeger H.E.J. ^{2,4}

¹ *Aix-Marseille Université, CNRS, ISM UMR 7287, 13288, Marseille cedex 09, France*

² *Department of BioMechanical Engineering, Delft University of Technology, Delft, The Netherlands*

³ *Department of Human Kinetic Technology, The Hague University of Applied Sciences, The Hague, The Netherlands*

⁴ *Research Institute MOVE, VU Amsterdam, Amsterdam, The Netherlands*

Corresponding author:

Benjamin GOISLARD de MONSABERT

Adress : Institut des Sciences du Mouvement, 163 avenue de Luminy, BP910, 13288

Marseille, cedex 09, FRANCE

Tél: +33491170478

Fax: +33491172252

Email: benjamin.demonsabert@gmail.com

Keywords: hand, kinematics, bony landmarks, instantaneous helical axis, Cardan angles.

Download English Version:

<https://daneshyari.com/en/article/10431828>

Download Persian Version:

<https://daneshyari.com/article/10431828>

[Daneshyari.com](https://daneshyari.com)