

Exploration of the Validity of the Two-Dimensional Sagittal Plane Assumption in Modeling the Standing Long Jump

Lauren J. Hickox, Blake M. Ashby, Gordon J. Alderink



PII: S0021-9290(16)30197-X
DOI: <http://dx.doi.org/10.1016/j.jbiomech.2016.02.037>
Reference: BM7602

To appear in: *Journal of Biomechanics*

Received date: 23 October 2015
Revised date: 12 February 2016
Accepted date: 16 February 2016

Cite this article as: Lauren J. Hickox, Blake M. Ashby and Gordon J. Alderink
Exploration of the Validity of the Two-Dimensional Sagittal Plane Assumption in
Modeling the Standing Long Jump, *Journal of Biomechanics*
<http://dx.doi.org/10.1016/j.jbiomech.2016.02.037>

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

Manuscript Number: BM-D-15-01236, Rev. 2, Original

Exploration of the Validity of the Two-Dimensional Sagittal Plane

Assumption in Modeling the Standing Long Jump

Lauren J. Hickox¹, Blake M. Ashby¹, Gordon J. Alderink¹

¹Grand Valley State University

Keywords: standing long jump, sagittal plan assumption, 3D model, full body, inverse dynamics

Word Count: 3439 (Introduction through Acknowledgments)

Corresponding Author:

Blake M. Ashby

Padnos College of Engineering and Computing

Grand Valley State University

301 W Fulton Street, KEN 325

Grand Rapids, MI 49504

Telephone: 616-331-6753

Fax: 616-331-7215

Email: ashbybl@gvsu.edu

Download English Version:

<https://daneshyari.com/en/article/871825>

Download Persian Version:

<https://daneshyari.com/article/871825>

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