

Hitting the ground running: Evaluating an integrated racehorse limb and race surface computational model

Jennifer E. Symons, David A. Hawkins, David P. Fyhrie, Shrinivasa K. Upadhyaya, Susan M. Stover



PII: S0021-9290(16)30426-2
DOI: <http://dx.doi.org/10.1016/j.jbiomech.2016.03.057>
Reference: BM7678

To appear in: *Journal of Biomechanics*

Received date: 18 August 2015
Revised date: 7 March 2016
Accepted date: 30 March 2016

Cite this article as: Jennifer E. Symons, David A. Hawkins, David P. Fyhrie, Shrinivasa K. Upadhyaya and Susan M. Stover, Hitting the ground running: Evaluating an integrated racehorse limb and race surface computational model *Journal of Biomechanics*, <http://dx.doi.org/10.1016/j.jbiomech.2016.03.057>

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.

Hitting the ground running: Evaluating an integrated racehorse limb and race surface computational model.

Jennifer E. Symons^{1,2}, David A. Hawkins^{1,3}, David P. Fyhrie^{1,4}, Shrinivasa K. Upadhyaya⁵, and Susan M. Stover^{1,2*}

¹Biomedical Engineering Graduate Group, University of California – Davis, Davis, CA

²Department of Anatomy, Physiology and Cell Biology, University of California – Davis School of Veterinary Medicine, Davis, CA

³Department of Neurobiology, Physiology and Behavior, University of California – Davis, Davis, CA

⁴Department of Orthopaedic Surgery, University of California – Davis Medical Center Sacramento, CA

⁵Department of Biological and Agricultural Engineering, University of California – Davis, Davis, CA

Corresponding Author*

Susan M. Stover

1285 Veterinary Dr, Bldg VM3A Rm 4206

University of California

Davis, CA 95616

Phone: 1-530-752-7438

Fax: 1-530-754-0150

smstover@ucdavis.edu

Keywords: race surface, modeling, dirt, synthetic, horse, dynamics

Download English Version:

<https://daneshyari.com/en/article/10431066>

Download Persian Version:

<https://daneshyari.com/article/10431066>

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