

Resource Summary Report

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Joint angle calculation from optical markers and IMUs attached to the lower body

DOI:10.17504/protocols.io.vwye7fw

Type: Protocol

Proper Citation

Wolfgang Teufl, Markus Miezal, Bertram Taetz, Michael Fröhlich, Gabriele Bleser 2019. Joint angle calculation from optical markers and IMUs attached to the lower body. protocols.io dx.doi.org/10.17504/protocols.io.vwye7fw

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.vwye7fw>

Authors: Wolfgang Teufl, Markus Miezal, Bertram Taetz, Michael Fröhlich, Gabriele Bleser

Summary: The attached file contains a detailed description of the methods used in the manuscript "Validity of inertial sensor based 3D joint kinematics of static and dynamic sport and physiotherapy specific movements" for the calculation of 3D joint angles incorporating inertial sensor data and optical motion capture data.

Associated Publications: Teufl W, Miezal M, Taetz B, Fröhlich M, Bleser G (2019) Validity of inertial sensor based 3D joint kinematics of static and dynamic sport and physiotherapy specific movements. PLoS ONE 14(2): e0213064. doi: [10.1371/journal.pone.0213064](https://doi.org/10.1371/journal.pone.0213064)

Affiliations: TU Kaiserslautern Department of Computer Science, TU Kaiserslautern Department of Computer Science, TU Kaiserslautern Department of Computer Science, TU Kaiserslautern Department of Sport Science, TU Kaiserslautern Department of Computer Science

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