

shift_frames]] command to synchronize the analog data to the motion capture data. ===== further information ===== ****[[visual3d:documentation:emg:processing:onset_based_on_tko|processing tools]]:**** high level descriptions of visual3d features for general processing of emg data, with links to detailed examples. ****feature extraction:**** visual3d pipeline commands for extracting statistical features in emg applications (in development). ****[[visual3d:documentation:emg:processing:total_emg_power|detecting muscle onset]]:**** examples of using visual3d pipeline commands to detect the onset of muscle activation, with examples. ****[[visual3d:tutorials:emg:typical_emg_processing|tutorial: emg processing workflow]]:**** basic start to finish tutorial. ===== references ===== 1. [[https://en.wikipedia.org/wiki/electromyography|electromyography]] 2. [[https://isek.org/emg-standards/|isek emg reporting standards]] 3. [[http://www.seniam.org/|surface electromyography for non-invasive assessment of muscles]] 4. [[http://www.humankinetics.com/products/all-products/research-methods-in-biomechanics-2nd-edition|robertson g, caldwell g, hamill j, kamen g, whittlesey s. research methods in biomechanics 2nd edition]] 5. [[https://www.mdpi.com/1424-8220/13/9/12431|surface electromyography signal processing and classification techniques]] 6. [[https://www.noraxon.com/higher-education/|noraxon higher education]] }}

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