

Appendix C: Research

Contents

1. Research links.....	2
------------------------	---

Chromophore based analyses of steady-state diffuse reflectance spectroscopy: current status and perspectives for clinical adoption

<http://onlinelibrary.wiley.com/doi/10.1002/jbio.201300198/full>

Heart Rate Variability Analysis Scientific Background

<http://www.biocomtech.com/hrvscientific>

How to use MMD/SDC

http://elm-chan.org/docs/mmc/mmc_e.html

Implementing File I/O Functions Using Microchip's Memory Disk Drive File System Library

<http://ww1.microchip.com/downloads/en/AppNotes/01045b.pdf>

Introduction to Biomedical Optics

<http://omlc.org/classroom/ece532/>

Is There More to Blood Volume Pulse Than Heart Rate Variability, Respiratory Sinus Arrhythmia, and Cardiorespiratory Synchrony?

http://www.resourcenter.net/images/AAPB/Files/Biofeedback/2007/biof_35_2_blood.pdf

Matlab-based tool for ECG and HRV analysis

<http://www.sciencedirect.com/science/article/pii/S1746809414000123>

Photoplethysmogram second derivative review: Analysis and applications

<http://academicjournals.org/journal/SRE/article-full-text-pdf/A214BA956534>

PPG signal and its component waves

https://www.researchgate.net/figure/224370837_fig1_Figure-2-PPG-signal-and-its-component-waves

Pulse Waveform of PPG

https://www.researchgate.net/figure/291136175_fig1_Fig-1-Pulse-Waveform-PWF-of-PPG-AC-part-with-pulse-wave-characteristics-5-13

Spectrophotometry

<http://www2.fiu.edu/~bch3033/bch30331/pdf/spectra.pdf>

SPI and SD cards

http://www.dejazzer.com/ee379/lecture_notes/lec12_sd_card.pdf

A Technology Overview of the Nellcor OxiMax Pulse Oximetry System

http://www.covidien.com/imageServer.aspx/doc226941.1.2.3_OxiMax%20whitepaper.pdf?contentID=25496&contenttype=application/pdf

Typical PPG waveforms

https://www.researchgate.net/figure/230587653_fig13_Typical-PPG-waveforms-show-the-parameters-changeswith-age-62

Wavelet Based PPG Foot Delineation for HRV

<https://nicholasjconn.com/publications/wavelet-based-ppg-foot-delineation/>