

How to...

EDA

electrodermal activity (EDA): variation of the electric properties of the skin.

PLACEMENT

PREPARE

The EDA signal can be measured at the palmar or plantar surfaces. We suggest the measurements to be made on the palm of the non-dominant hand.

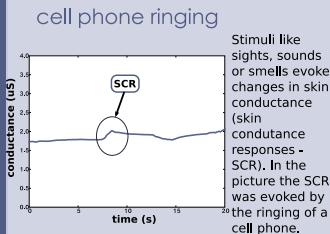
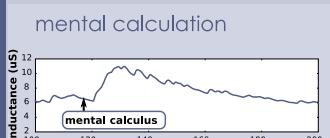
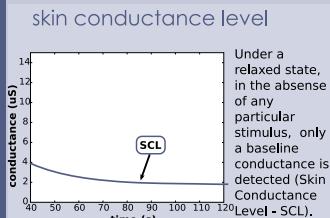
CONNECT

Attach the detection surfaces of the sensor to the thenar or hypothenar eminences, or to the medial or distal phalanx.

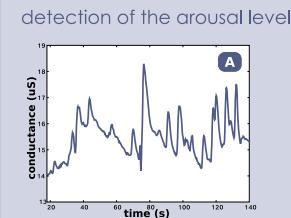
ACQUIRE

Turn the acquisition device on and observe the electrodermal activity variations as a response to the applied stimuli.

1,2,3 TESTING



APPLICATIONS

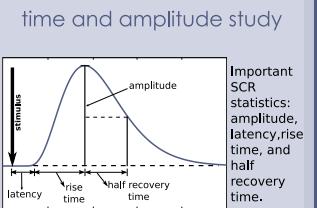
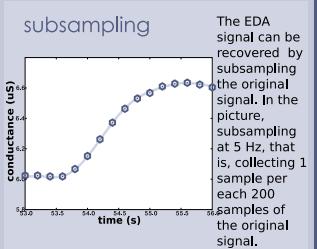
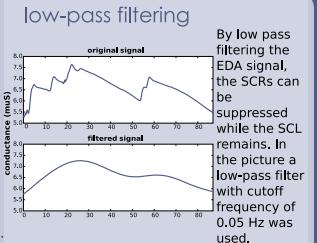


The applications of EDA lie in the area of psychophysiology, in studies where a measure of the sympathetic activity is desired. EDA relates to the person's arousal level and can be used to monitor reaction times, stress, anxiety, pain, fear,... (A) high level of arousal (EDA signal during a conversation). (B) slow EDA (relaxed state of mind).

habituation

When the same stimulus is repeated, the body tends to react strongly to the first occurrence and with less intensity to the subsequent ones until it will, eventually, stop reacting. Habituation response has different characteristics in certain pathologies.

PROCESSING



TROUBLESHOOTING

