

Haptic Fabric Dataset

A data set was created to recognize users and touch type through specially produced smart fabric. 16 conductive thread channels are placed on the fabric and measurements are taken by applying signals at 200 different frequencies in each channel. 30 different users touched the fabric. Each user was asked to touch the fabric with 9 different touch types respectively. Labeling was done sequentially. 9 different touches are divided into three main groups: finger, palm and fist. in the dataset user_id [1-30], touch_type [0=no touch, 1-9], touch [true/false], finger[true/false], palm[true/false] and fist [true/false] output other all columns are input.