> gyroConvert(top,"TOP")

[1] "TOP RIGHT only by gyroscope cor: 0.989962071712602"

[1] "TOP RIGHT only by acc cor: -0.498487256127762"

[1] "TOP RIGHT caribrate by t0 cor: 0.98997788422784"

[1] "TOP RIGHT complementary cor: 0.991799922002735"

[1] "TOP RIGHT lowpass TRUE complementary cor: 0.992457484956936"

[1] "TOP RIGHT lowpass TRUE input complementary cor: 0.98862375075088"

[1] "TOP FORWARD only by gyroscope cor: 0.93717420141215"

[1] "TOP FORWARD only by acc cor: -0.234582083223443"

[1] "TOP FORWARD caribrate by t0 cor: 0.939895616527987"

[1] "TOP FORWARD complementary cor: 0.94287170563699"

[1] "TOP FORWARD lowpass TRUE complementary cor: 0.9544127308087"

[1] "TOP FORWARD lowpass TRUE input complementary cor: 0.938537089886377"

[1] "TOP UP only by gyroscope cor: 0.974152025322194"

[1] "TOP UP only by acc cor: -0.535421670804708"

[1] "TOP UP caribrate by t0 cor: 0.978573604231248"

[1] "TOP UP complementary cor: 0.963804323526033"

[1] "TOP UP lowpass TRUE complementary cor: 0.964677137498636"

[1] "TOP UP lowpass TRUE input complementary cor: 0.973688032301998"

> gyroConvert(rightHand,"RIGHTHAND")

[1] "RIGHTHAND RIGHT only by gyroscope cor: 0.671056912792922"

[1] "RIGHTHAND RIGHT only by acc cor: -0.918694432486923"

[1] "RIGHTHAND RIGHT caribrate by t0 cor: 0.614593484100732"

[1] "RIGHTHAND RIGHT complementary cor: 0.731476334285521"

[1] "RIGHTHAND RIGHT lowpass TRUE complementary cor: 0.738427383073758"

[1] "RIGHTHAND RIGHT lowpass TRUE input complementary cor: 0.682335489480706"

[1] "RIGHTHAND FORWARD only by gyroscope cor: 0.905912907082282"

[1] "RIGHTHAND FORWARD only by acc cor: -0.297767957733645"

[1] "RIGHTHAND FORWARD caribrate by t0 cor: 0.869758443644136"

[1] "RIGHTHAND FORWARD complementary cor: 0.927777439605108"

[1] "RIGHTHAND FORWARD lowpass TRUE complementary cor: 0.936766324610393"

[1] "RIGHTHAND FORWARD lowpass TRUE input complementary cor: 0.913327894096948"

[1] "RIGHTHAND UP only by gyroscope cor: 0.870086288409753"

[1] "RIGHTHAND UP only by acc cor: -0.197480442621517"

[1] "RIGHTHAND UP caribrate by t0 cor: 0.889101920932976"

[1] "RIGHTHAND UP complementary cor: 0.84534494172261"

[1] "RIGHTHAND UP lowpass TRUE complementary cor: 0.815426921264567"

[1] "RIGHTHAND UP lowpass TRUE input complementary cor: 0.839862028572592"

> gyroConvert(leftHand,"LEFTHAND")

[1] "LEFTHAND RIGHT only by gyroscope cor: 0.864775374253951"

[1] "LEFTHAND RIGHT only by acc cor: -0.869520778699546"

[1] "LEFTHAND RIGHT caribrate by t0 cor: 0.898639765400185"

[1] "LEFTHAND RIGHT complementary cor: 0.870973229219363"

[1] "LEFTHAND RIGHT lowpass TRUE complementary cor: 0.850828310732473"

[1] "LEFTHAND RIGHT lowpass TRUE input complementary cor: 0.845109813261344"

[1] "LEFTHAND FORWARD only by gyroscope cor: 0.835354620577211"

[1] "LEFTHAND FORWARD only by acc cor: -0.407220274264503"

[1] "LEFTHAND FORWARD caribrate by t0 cor: 0.70670382899926"

[1] "LEFTHAND FORWARD complementary cor: 0.843691398482066"

[1] "LEFTHAND FORWARD lowpass TRUE complementary cor: 0.770016597354351"

[1] "LEFTHAND FORWARD lowpass TRUE input complementary cor: 0.758169920539734"

[1] "LEFTHAND UP only by gyroscope cor: 0.737773982103169"

[1] "LEFTHAND UP only by acc cor: 0.269803782860622"

[1] "LEFTHAND UP caribrate by t0 cor: 0.794498320191728"

[1] "LEFTHAND UP complementary cor: 0.734202962252593"

[1] "LEFTHAND UP lowpass TRUE complementary cor: 0.713513845213197"

[1] "LEFTHAND UP lowpass TRUE input complementary cor: 0.713240174351793"

> gyroConvert(leftPants,"LEFTPANTS")

[1] "LEFTPANTS RIGHT only by gyroscope cor: 0.550054568489081"

[1] "LEFTPANTS RIGHT only by acc cor: -0.755359692292526"

[1] "LEFTPANTS RIGHT caribrate by t0 cor: 0.222499826897776"

[1] "LEFTPANTS RIGHT complementary cor: 0.591267421443421"

[1] "LEFTPANTS RIGHT lowpass TRUE complementary cor: 0.566787000425987"

[1] "LEFTPANTS RIGHT lowpass TRUE input complementary cor: 0.499866333346154"

[1] "LEFTPANTS FORWARD only by gyroscope cor: 0.940414341861284"

[1] "LEFTPANTS FORWARD only by acc cor: 0.774214283192544"

[1] "LEFTPANTS FORWARD caribrate by t0 cor: 0.835096055118707"

[1] "LEFTPANTS FORWARD complementary cor: 0.938008954714943"

[1] "LEFTPANTS FORWARD lowpass TRUE complementary cor: 0.932570769079629"

[1] "LEFTPANTS FORWARD lowpass TRUE input complementary cor: 0.935510123805173"

[1] "LEFTPANTS UP only by gyroscope cor: 0.921660245544116"

[1] "LEFTPANTS UP only by acc cor: -0.943592359764524"

[1] "LEFTPANTS UP caribrate by t0 cor: 0.624301330222699"

[1] "LEFTPANTS UP complementary cor: 0.929951644045192"

[1] "LEFTPANTS UP lowpass TRUE complementary cor: 0.918460242603079"

[1] "LEFTPANTS UP lowpass TRUE input complementary cor: 0.902487057460286"

> gyroConvert(rightPants,"RIGHTPANTS")

[1] "RIGHTPANTS RIGHT only by gyroscope cor: 0.914283544947929"

[1] "RIGHTPANTS RIGHT only by acc cor: -0.818716778020817"

[1] "RIGHTPANTS RIGHT caribrate by t0 cor: 0.906040539897213"

[1] "RIGHTPANTS RIGHT complementary cor: 0.933490603610366"

[1] "RIGHTPANTS RIGHT lowpass TRUE complementary cor: 0.936545336760781"

[1] "RIGHTPANTS RIGHT lowpass TRUE input complementary cor: 0.907275185798937"

[1] "RIGHTPANTS FORWARD only by gyroscope cor: 0.94285849587882"

[1] "RIGHTPANTS FORWARD only by acc cor: -0.761630468065432"

[1] "RIGHTPANTS FORWARD caribrate by t0 cor: 0.923358110939394"

[1] "RIGHTPANTS FORWARD complementary cor: 0.955134466533394"

[1] "RIGHTPANTS FORWARD lowpass TRUE complementary cor: 0.951068369151814"

[1] "RIGHTPANTS FORWARD lowpass TRUE input complementary cor: 0.94133362378109"

[1] "RIGHTPANTS UP only by gyroscope cor: 0.603211972801235"

[1] "RIGHTPANTS UP only by acc cor: 0.158090936208039"

[1] "RIGHTPANTS UP caribrate by t0 cor: 0.669984883920064"

[1] "RIGHTPANTS UP complementary cor: 0.539375131035461"

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| [1] "RIGHTPANTS UP lowpass TRUE complementary cor: 0.54858126572796" |
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| [1] "RIGHTPANTS UP lowpass TRUE input complementary cor: 0.556240834547246" |