# MATLAB file document

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## 目录

# 1   Body.m

## 1.1   Class:Body

**properties**

**methods**   obj=Body(), addSegment(), initiallize, setCondition, Calculation, showBasicProperties, showCondition, Tskm=getTskinMean(obj), showT_all(obj)

# 2   main.m

**Steps:**

1. Add Segments
2. Set condition
3. Calculation

# 3   Profiles.m

## 3.1   Class:Profiles

**methods**   am=Arm(), bk=Back(), chst=Chest(), ft=Foot(), hand=Hand(), hd=Head(),lg=Leg(), pvs=Pelvis(), shd=Shoulder(), thi=Thigh(), p=P(T,RH)

# 4   Segment.m

## 4.1   Class Segment

**methods**   obj=Segment(Profile,Name), setCon(obj,Ta,Tr,Pa,v,Clo,Q_Act), [dT,Qbld]=CaldT(obj,Swt, Chi,Dl,St,Qres,Tblp), sig=setT(obj,T), initiallize(obj)

# 5   SegProfile

## 5.1   Class SegProfile

**methods**   obj=SegProfile(C,Cd,Qb,BFB,Tset,SKINR,SKINS, SKINV, SKINC, Chilf, Metf, ADu, hc, hr, Cres, Cerr)