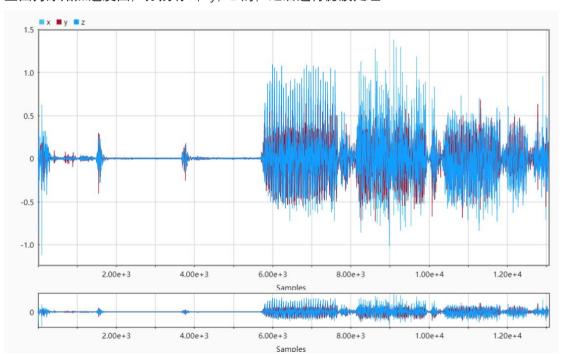


上图为原始加速度图,分别有x,y,z的,之后进行滤波处理



截取了五个部分,长度均为 1500 的,给出概率以及最终判别以及各类概率值,正常讲,我们的动作为坐,站,走,下楼,上楼,给出的概率顺序为'Walking' 'WalkingUpstairs' 'WalkingDownstairs' 'Sitting' 'Laying',从上到下顺序,estimatedActivity = 'Sitting'

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发现效果不好, 所以我们探索了一下函数
发现函数内部有滤波函数,所以就去掉了滤波,修正后的结果如下
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发现结果更加准确了。

此外,我们还考虑了手机的摆放姿态等问题,对此类应用的发展做出了讨论