

Topic: Take one good or bad example of a product that well takes, does not take human factors into consideration, and explain the good points, or suggest an idea to improve it.

Essay: Based on my understanding, there are two kinds of factors can affect human's evaluation of how weight a product is or how much force needs to manipulate this product. For one thing, some features of a product, such as color, can mislead our subjective feeling of its weight or force in need. Besides, the physical way of how we use the product will also make an impact. For example, the way we pinch something determines how much force can be generated by the finger or arm, then it will influence our feeling of how hard to manipulate it. Finally, to answer the question which kinds of motion is much more laborsaving, right/left or forward/backward, Mr. Kurita introduce the physical simulating model of human arm and its force characteristics during the course. This model affects our kinesthetic sense and determines the way we manipulate some certain task.

As for the example of taking well or bad consideration of human factors, the different types of Touch ID come into my mind as soon as I try to figure it out. As we can easily find out, there are two kinds of Touch ID in the smartphone, in which one is installed in the front face like iPhone, and the other is in the back face like many smartphones with android system. Even though there is still not a convincing answer of which one is more suitable for human manipulating, I would like to present my opinion. Let's back to the period of first publishing this kind of technics. At that time, it needs to not only scan our finger but also a force to press it, which is convenient for thumb to manipulate. But with the technics improvement, we need less force and time for scanning. So in my opinion, the Touch ID in back face is more convenient, because you can wake it up when you pick the smartphone by just using the forefinger. Compare to the former one, using back pace Touch ID do not need to move or change posture before manipulating the smartphone. However, it is just a personal opinion and it still needs some experiments to figure out whether is true or not.