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*How to use integration to find the area and volume of Fuwa(a Chinese doll)*

In this poster, I am going to talk about how to use integration techniques to find out the estimated areas and volume of Fuwa. Why we need to calculate the volumes and area of Fuwa? The reason is that we need to know how many materials we need to buy in order to make one doll(Fuwa), in order to calculate total menus of our materials. I will first talk about the basic concepts of integration. And Then, showing the processes about how to calculate volumes of one Fuwa(doll) with integration techniques. And then, make a simple conclusion for my analysis.