Figure 1. The generative shape model of *Drosophila*. (a) The profile curve, denotes by ρ. (b) The shape Υ^3 is generated by the profile curve ρ revolving around the *center axis* in 3D space. (c) An image of a fruit fly overlaid by the shape model. The average body length is $\tilde{l} = 2.73$ mm in our experiments.