

We study a motion of deformable bodies in some specific cases. We take a closer look at the body composed of two material points connected with massless tether orbiting a source of Newtonian gravitational field. We look into the swimming effect, which was unveiled by Wisdom, and we briefly mention the effect unveiled by Guéron and Mosna, in which suitable oscillations of a deformable body can slow down its fall in relativistic gravitational background. We also try to compare some properties of effects we observe.