



سمینار هفتگی ماده چگال نرم

Simulation of swimming at low Reynolds number with start model

Abstract

In this talk, I define the main problem about the physics of life in micro world. Also, the swimming mechanisms at low Reynolds number, which is different with typical swimming. Then Najafi-Golestanian's model will be introduced as well as the triangular model.

Then, I talk about our start model for swimming at low Reynolds number and its physical properties. Finally, I consider the perturbation of our micro-swimmer after applying thermal or chemical fluctuations.

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