



سمینار هفتگی گروه ماده چگال نرم

An Approach to oscillations during cell division

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We try to address the oscillation of the centrosome during cell division (mitosis). There is one major approach to this problem, which considers the existence of motor proteins on the cell membrane as the main engine of these oscillations. However, microtubule's dynamics on the cell membrane, even without motor proteins, may cause oscillation of the mitotic spindle as well. We study the interaction between microtubules and membrane with and without motor proteins and try to probe their effect on centrosome oscillation.

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