

Students' Annual Webinar

Study of dynamical and mechanical properties of glassy materials using rod-like impurities

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Active glassy systems can be thought of as simple model systems that imitate complex biological systems. Measurement of growing length scales in such systems becomes crucial for various biological processes. In this talk, I would be talking about an experimentally feasible technique of rod as a probe particle to obtain these drastically increasing length scales in active systems. Also, I would be talking about the increased mechanical strength of glasses, arising from the rotational degrees of freedom of a small concentration of included dumbbells.

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10:30 AM