The Hong Kong University of Science and Technology

Department of Mathematics

<u>Seminar on Pure Mathematics</u>

The level set flow of low entropy in R4 does not disconnect

by

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<u>Abstract</u>

Entropy is a natural natural functional that in some sense measures the complexity of a hypersurface. I will mention some recent results on topological changes in mean curvature flow, and I will report on a joint work with J.Bernstein ruling out a certain topological change for low entropy flows in R^4. As an application we give a sharp entropy condition for forward clearing out lemma for non-fattening level set flow.

Date: Friday, 19 July 2019

Time: 3:00p.m. - 4:00p.m.

Venue: Room 3494, Academic Building
         (near Lifts 25-26), HKUST

All are welcome!