



Im

Oberseminar Partielle Differentialgleichungen

gibt es am

Donnerstag, dem 04. Dezember 2014,

einen Vortrag von

Dr. Ananda Lahiri

(MPI Potsdam)

“Preserving graphical representation for mean curvature flow”

Beginn: **15:15 Uhr**

Raum: **F 426**

Interessenten sind herzlich willkommen!

R. Denk, H. Freistühler, O. Schnürer

Abstract: We consider a family (M_t) of embedded hypersurfaces that move by mean curvature flow. Suppose inside some ball B_R the hypersurface M_t can be written as a graph for all t in $[t_1, 0]$. Then there exist $r, t_2 > 0$ depending on R and t_1 such that inside the ball B_r the hypersurface M_t can be written as a graph for all t in $[t_1, t_2]$. The main ingredients of the proof are White's regularity theorem, Huisken's monotonicity formula and interior estimates by Ecker and Huisken.

(invited by Oliver Schnürer)