

Infinite time bubbling in critical Parabolic equations

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Resumo/Abstract:

We investigate the point-wise, infinite-time bubbling phenomenon for positive solutions of the semilinear heat equation at the critical exponent in a bounded domain. We build an invariant manifold for the flow which ends at k bubbling points of the domain for any given k . The delicate role of dimension is described. This is joint work with C. Cortazar and M. Musso.