

Pattern formation and localized structures in reaction diffusion

Monday, 05 February 2007

is used to show the generic appearance of Turing structures which can coexist with homogeneous states giving rise to localized structures through the pinning mechanism. The characteristic lengths of these structures are in the nanometer region in agreement with recent experimental observations (cf. M.G. Clerc, E. Tirapegui & M. Trejo Phys. Rev. Letts. 97, 176102 (2006))