

Classification of Radial Solutions Arising in the Study of Thermal Structures with Thermal Equilibrium or No Flux at the Boundary

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American Mathematical Society

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Summary: Free classification of radial solutions arising in the study of thermal structures with thermal equilibrium or no flux at the boundary pdf download - the authors provide a complete classification of the radial solutions to a class of reaction diffusion equations arising in the study of thermal structures such as plasmas with thermal equilibrium or no flux at the boundary in particular their study includes rapidly growing nonlinearities that is those where an exponent exceeds the critical exponent they describe the corresponding bifurcation diagrams and determine existence and uniqueness of ground states which play a central role in characterizing those diagrams they also provide information on the stability-unstability of the radial steady states

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