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Huiqiang Jiang* (hqjiang@pitt.edu), Department of Math, U Pitt, 301 Thackeray Hall,
Pittsburgh, PA 15260. *Analysis on a reaction-diffusion system in pattern formation.*

We will discuss analysis results of generalized Gierer-Meinhardt system. The topics we are interested including existence and nonexistence of nontrivial stationary pattern as well as dynamics of this system. (Received September 12, 2007)