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Nsoki Mavinga* (nmaving1@swarthmore.edu), Department of Mathematics and Statistics, Swarthmore College, PA , and **Rosa Pardo**. *Bifurcation from infinity for reaction-diffusion equations subject to nonlinear boundary conditions.*

We consider a reaction diffusion equation under nonlinear boundary conditions where the nonlinearities are asymptotically linear at infinity, and depend on a parameter. We prove that as the parameter crosses some critical values a resonance type phenomenon provides solutions that bifurcate from infinity. (Received September 16, 2014)