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**Infinitely many bifurcations for rapidly growing  
nonlinearities**

We discuss when the branch of positive solutions starting from  $(0,0)$  of  $-\Delta u = rf(u)$  in  $D$ ,  $u = 0$  on the boundary of  $D$ , has infinitely many bifurcations. Here  $D$  is a smooth bounded domain in 3 or more dimensions and  $f$  is rapidly growing and real analytic. We also discuss other boundary conditions and some open questions.