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Michael E Filippakis* (mfilip@unipi.gr), Department of Digital Systems, 122 Grigoriou Labraki Str, 18532 Piraeus-Greece, 18532 Piraeus, Greece. *Nodal solutions for Robin problems.*

We consider a semilinear Robin problem driven by the negative Laplacian plus an indefinite, unbounded potential. The reaction term is a Caratheodory function of arbitrary structure outside an interval $[-c, c]$ ($c > 0$), odd on $[-c, c]$ and concave near zero. Using a variant of the symmetric mountain pass theorem, together with truncation, perturbation and comparison techniques, we show that the problem has a whole sequence $\{u_n\}_{n \geq 1}$ of distinct nodal solutions converging to zero in $C^1(\overline{\Omega})$. The publication of this paper has been partly supported by the University of Piraeus Research Center. (Received August 24, 2017)