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#97328, Waco, TX 76798-7328. *Existence of Positive Solutions of a Second Order Right Focal  
Boundary Value Problem.*

A new fixed point theorem utilizing operators and functionals is applied to the existence of at least one positive solution of a second order right focal boundary value problem. The sets in the fixed point theorem are defined using operators which leads to functional type boundaries of positive solutions of the boundary value problem over some parts of the domain. (Received September 21, 2011)