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Twin solutions of boundary value problems for differential equations on measure chains.

A new twin fixed point theorem is applied to obtain the existence of at least two positive solutions for the right focal boundary value problem on a measure chain T , $y^{\Delta\Delta}(t) + f(y(\sigma(t))) = 0$, $t \in [0, 1] \cap T$, $y(0) = y^{\Delta}(\sigma(1)) = 0$. (Received June 29, 2000)