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A GENERAL EXISTENCE THEOREM FOR THE SINGULAR EQUATION $(\varphi_p(y'))' + f(t,y) = 0$

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Abstract. Some theorems concerning the existence of positive solution for the singular equation $(\varphi_p(y'))' + f(t,y) = 0$, $y(0) = y(1) = 0$, are established. The results are obtained using the lower-upper solution approach.

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