Abstract

We present in this paper new results concerning positive solutions for the p(t)-Laplacian multipoint boundary value problem $\{-(\varphi(t, u'(t)))' = f(t, u(t)), t \in (0, 1), u(0) = \alpha u(\eta), u'(1) = 0$, where $R^+ = [0, +\infty)$, $\alpha, \eta \in (0, 1)$, $\varphi(t, x) = |x|^{p(t)-2} x$, $p \in C([0, 1], (1, +\infty))$, and $f \in C([0, 1] \times R^+, R^+)$