1086-34-369 **Douglas R. Anderson*** (andersod@cord.edu), 901 Eighth Street S., Department of Mathematics, Moorhead, MN 56562. *First-order nonlinear nonlocal boundary value problem with p-Laplacian.*

Conditions for the existence of at least three positive solutions to the first-order nonlinear p-Laplacian problem with a nonlinear nonlocal boundary condition given by

$$[\phi_p(y)]'(t) - r(t)[\phi_p(y)](t) = \sum_{i=1}^{m} f_i\big(t, y(t)\big), \quad t \in [0,1],$$

$$\lambda[\phi_p(y)](0) = [\phi_p(y)](1) + \sum_{j=1}^{n} \Lambda_j \left(\tau_j, [\phi_p(y)](\tau_j)\right), \quad \tau_j \in [0,1],$$

are discussed, for sufficiently large $\lambda > 1$ and $r \geq 0$. The Leggett-Williams fixed point theorem is utilized. (Received August 26, 2012)